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FERTILIZER ANALYSES.

R. W. SILVESTER, - - - - - - - - - President.

Edited by H. B. McDONNELL, State Chemist and Professor of Chemistry.

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ADDRESS

Chemical Department, Maryland Agricultural College,

COLLEGE PARK, MD.

ANALYSIS OF

Commercial Fertilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

THE MARYLAND AGRICULTURAL COLLEGE.

DR. H. B. McDONNELL, Professor of Chemistry,—State Chemist.

R. C. WILEY, B. S., Assistant Chemist.

*G. E. COHEN, B. S., Assistant Chemist.

PAUL COLLINS, B. S., Assistant Chemist.

F. G. BAGGS, Clerk.

The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from *February* to *June,* 1908, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars, or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all the samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer his name appears after the place of sampling. No sample is analyzed unless fully described on blanks furnished by this department. The description is not sent in, however, till after the analysis is reported.

No samples are accepted from manufacturers or their agents under any circumstances.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid" are percentages, or pounds per hundred. To get pounds per ton multiply the per cent. by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The columns headed "No." contain the respective numbers by which the samples are known in the laboratory. In writing to the Chemical Department in regard to any analysis the number should always be given. The samples are numbered consecutively on the books of the office, but are arranged alphabetically for publication, which accounts for the mixing of the numbers.

To get "Total" phosphoric acid add the "Insoluble" to the "Available" phosphoric acid.

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*Resigned July 10 to go with the American Aluminum Company.

The "Comparative Value Found" is calculated from the results of analysis as found in our laboratory; the "Comparative Value Guaranteed" is calculated from the manufacturers' guaranteed analysis as printed on the bags; in each case using the schedule as given below.

Schedule for Calculating Comparative Values.

In Mixed Fertilizer:	
For Nitrogen, calculated as Ammonia	20 cts. per pound.
For Potash (K_2O), in forms free from muriate	6 cts. per pound.
For Potash (K_2O), as muriate, or Kainit	5 cts. per pound.
For Available Phosphoric Acid	6 cts. per pound.
For Insoluble Phosphoric Acid	2 cts. per pound.
For Insoluble Phosphoric Acid when from Rock	1 ct. per pound.
In Dissolved Rock:	
Available Phosphoric Acid	4½ cts. per pound.
Insoluble Phosphoric Acid	1ct. per pound.
In Tankage, Fish and Ground Bone:	
For Nitrogen, calculated as Ammonia	15 cts. per pound.
For Phosphoric Acid	3 cts. per pound

The "Comparative Values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use. They will be found to be not far from the prices for which fertilizers may be obtained at Baltimore, for cash. In making comparisons at other points freight from Baltimore should be added.

It should be noted that plant food costs more in low grade or "cheap" fertilizers than it does in high grade goods. Thus a 1-5-1 fertilizer (1 per cent of ammonia, 5 per cent of available phosphoric acid and 1 per cent of potash) will cost more than half as much as a 2-10-2 fertilizer, though it only contains half as much plant food. The demand for "cheap" fertilizers causes low-grade materials to be at a premium, even when less efficient and less available than the same amount of actual plant food in the higher grade goods.

Farmers are advised to demand 16 per cent dissolved rock or acid phosphate. Practically all 14 per cent goods are adulterated. Do not expect to get the 16 per cent goods at the same price paid for the 14 per cent, however. The higher grade will cost about $1 per ton more. The cheapest filler is the soil in the field and the cheapest mixing machine is the harrow.

"Standard grade" or 14 per cent acid phosphate would, in practice, be made by reducing 1800 lbs. of the high-grade, 16 per cent goods, with 200 lbs. of filler or make-weight, making a ton which, theoretically, would contain 14.40 per cent of available phosphoric acid, and could safely be guaranteed to run 14 per cent.

Low grade mixed fertilizers should be avoided, such as a fertilizer guarantee to contain ¼ per cent Ammonia, 6 per cent Available Phosphoric acid and 1 per cent of Potash. Such a fertilizer could be made as follows: 50 lbs. Ground Fish, 750 lbs. Dissolved Rock and 40 lbs. Muriate of Potash to the ton; this would necessitate the use of 1160 lbs. of filler in each ton. It would be much more economical to buy half a ton of good fertilizer.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17615	American Agrl. Chem. Co., Baltimore, Md.	Big Crop Phosphate.....	Baltimore.....
17882	" " "	Bone Phosphate.....	Rising Sun.....
17842	" " "	Boss Potash Mixture.....	Smithsburg.....
17713	" " "	Complete Manure with 10% Potash.	Baltimore.....
17766	" " "	Dead Shot Phosphate....	Union Mills.....
17762	" " "	Dissolved Animal Bone...	Laurel.....
17715	" " "	Dissolved Bone Phosphate.	Baltimore.....
17653	" " "	Fine Ground Bone.....	Baltimore.....
17616	" " "	Gem Alkaline Phosphate.	Baltimore.....
17714	" " "	Ideal Corn Grower.....	Baltimore.....
17886	" " "	Pure Bone Phosphate....	Zion.....
17850	" " "	Pure Ground Bone.....	Baltimore.....
17787	" " "	Royal Alkaline Bone.....	Baltimore.....
17767	" " "	Special Potato Mixture...	Alesia.....
17632	" " "	Special Tomato Fertilizer.	Baltimore.....
17617	" " "	Square Deal Phosphate...	Baltimore.....
17680	" " "	Top Notch Phosphate...	Baltimore.....
17868	" " "	Top Notch Phosphate....	Goldsboro.....
17704	" " "	Young's Melon Fertilizer.	Baltimore.....
17843	A. A. C. Co. (Canton), Baltimore, Md.	Baker's Dissolved S. C. Bone.	Thurmont.....
17618	" " "	Baker's Fish Guano.....	Baltimore.....
17768	" " "	Baker's Special Wheat, Corn and Grass Mixture.	Alesia.....
17619	" " "	Baker's Standard High Grade Guano.	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17615	.....	.....	5.12	5.00	0.65	.....	8.55	8.00	$12.95	$12.20
17882	1.18	1.00	3.36	3.00	1.05	.....	8.10	8.00	18.22	16.60
17842	.....	.....	5.10	5.00	0.58	.....	7.85	8.00	12.29	12.20
17713	4.11	4.00	10.36	10.00	1.25	.....	6.21	6.00	34.75	33.20
17766	0.63	0.50	1.94	2.00	0.90	.....	8.19	8.00	14.65	13.60
17762	2.61	2.50	.....	.....	3.37	.....	12.03	12.00	26.23	24.40
17715	.....	.....	.....	.....	0.97	.....	14.38	14.00	13.13	12.60
17653	2.53	3.00	.....	.....	25.09*	22.80*	.....	.....	22.64	22.68
17616	.....	.....	3.16	3.00	0.62	.....	7.19	6.00	9.75	8.40
17714	1.14	1.00	4.06	4.00	0.87	.....	8.39	8.00	19.04	17.60
17886	2.08	2.00	2.22	2.00	2.95	.....	9.63	9.00	23.28	20.80
17850	4.11	4.00	.....	.....	24.24*	20.60*	.....	.....	26.87	24.36
17787	.....	.....	3.86	4.00	0.57	.....	10.49	10 00	13.41	13.00
17767	0.89	1.00	6.16	7.00	0.85	.....	9.19	9.00	21.09	21.80
17632	1.14	1.00	4.02	4.00	1.37	.....	8.11	8.00	18.86	17.60
17617	2.01	2.00	4.06	4.00	1.37	.....	8.43	8.00	22.77	21.60
17680	2.18	2.00	5.44	5.00	1.50	.....	8.14	8.00	24.53	22.60
17868	2.12	2.00	5.40	5.00	1.60	.....	8.30	8.00	24.48	22.60
17704	3.21	3.00	10.08	10.00	1.26	.....	10.06	10.00	35.49	34.00
17843	.....	.. ....	.....	.....	1.00	.....	14.76	14.00	13.48	12.60
17618	2.30	2.00	2.02	2.00	1.70	.....	7.99	8.00	21.49	19.60
17768	1.16	1.00	2.12	2.00	1.35	.....	9.31	9 00	18.47	16.80
17619	2.71	2.50	3.68	3.00	1.89	.....	7.87	8.00	24.72	22.60

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17654	A. A. C. Co. (Canton), Baltimore, Md.	Eagle Phosphate	Baltimore
17828	" " "	Harrow Brand Crop Grower.	Baltimore
17750	" " "	Patrons Bone	Bel Air
17655	" " "	Potato Manure	Baltimore
17788	" " "	Resurgam Guano	Baltimore
17717	" " "	Soluble Bone and Potash.	Baltimore
17620	" " "	Special Compound	Baltimore
17621	" " "	Truckers' Delight	Baltimore
17898	A. A. C. Co. (Detrick), Baltimore, Md.	Ammoniated Bone Phosphate.	Baltimore.
17718	" " "	Bone and Potash 16 x 4 Mixture.	Baltimore
17633	" " "	Corn and Oats Fertilizer.	Baltimore
17719	" " "	Dissolved S. C. Bone	Baltimore
17634	" " "	Gold Basis	Baltimore
17622	" " "	Gold Eagle	Baltimore.
17681	" " "	Imperial Compound	Baltimore.
17623	" " "	Kangaroo Komplete Kompound.	Baltimore
17789	" " "	P. & B. Special Fertilizer.	Baltimore
17811	" " "	P. & B. Special Fertilizer.	Mt. Airy
17635	" " "	Quickstep Bone Phosphate.	Baltimore
17790	" " "	Royal Crop Grower	Baltimore
17720	" " "	Soluble Bone Phosphate and Potash,	Baltimore
17829	" " "	Special Mixture	Baltimore,
17656	A. A. C. Co. (Lazaretto), Baltimore, Md.	Ammoniated Bone Phosphate.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17654	1.19	1.00	1.16	1.00	1.05	.....	7.05	7.00	$14.80	$13.40
17828	1.26	1.00	1.12	1.00	1.20	.....	8.01	8.00	16.33	14.60
17750	2.13	2 00	3.00	2 50	5.85	.....	8.21	5.00	23.71	16.50
17655	1.81	1 50	5.06	5.00	1.05	.....	6.36	6.00	20.35	18.20
17788	1.09	1.00	4.16	4.00	1.05	.....	8.10	8.00	18.66	17.60
17717	.....	.....	2.22	2.00	0.67	.....	10.28	10.00	11.60	11.00
17620	2.97	2 50	6.01	6 00	1.70	.....	8.07	8.00	28.25	25.60
17621	5.12	5.00	5.76	5 00	1.47	.....	7.36	7.00	35.66	33.40
17898	1.48	1.50	2.22	2.00	1.22	.....	8.65	9.00	19.01	18.80
17718	....	.....	2.16	2.00	0.87	.....	10.94	11.00	12.18	11.90
17633	1.19	1.00	3.16	3 00	1.20	.....	9.30	9.00	19.56	17.80
17719	.....	.....	.....	.....	0.85	.....	14.25	14.00	13.00	12.60
17634	7.42	7.00	4.92	5.00	2.20	.....	6.42	6.00	43.18	40.20
17622	3.05	3.00	6.08	6.00	1.40	.....	6.62	6.00	26.78	25.20
17681	1.23	1.00	2.06	2.00	1.32	.....	7.67	8.00	16.71	15.60
17623	2.39	2.00	3.40	3.00	1.63	.....	7.96	8.00	23.16	20.60
17789	.....	.....	3.20	3.00	0.60	.....	12.14	12.00	14.25	13.80
17811	....	.....	3.24	3.00	0.50	.....	12.43	12.00	14.53	13.80
17635	3.33	3.00	4.88	4.00	1.72	.....	7.98	8.00	28.47	25.60
17790	2.01	2.00	2.06	2.00	1.60	.....	8.16	8.00	20.53	19.60
17720	.....	.....	2.12	2.00	0.42	.....	9.89	10.00	11.10	11.00
17829	1.37	1.00	1.22	1.00	1.15	.....	7.94	8.00	16.69	14.60
17656	1.19	1.00	2.20	2.00	1.30	.....	8.28	8.00	17.42	15.60

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17751	A. A. C. Co. (Lazaretto), Baltimore, Md.	Bone Compound	Bel Air
17769	" " "	Bone and Potash	Alesia
17791	" " "	Crop Grower	Baltimore
17721	" " "	Dissolved Bone Phosphate	Baltimore
17600	" " "	Early Trucker	Baltimore
17752	" " "	Excelsior A. A. A.	Bel Air
17792	" " "	High Gradc Bone and Potash.	Baltimore
17830	" " "	High Grade Dissolved Bone and Potash.	Baltimore
17722	" " "	H. G. Dissolved Bone Phosphate and Potash.	Baltimore
17682	" " "	Retriever Animal Bone Fertilizer.	Baltimore
17683	" " "	Special Potato and Tobacco Fertilizer.	Baltimore
17624	" " "	Tomato Compound	Baltimore
17793	" " "	Wheat, Corn and Grass Grower.	Baltimore
17844	A. A. C. Co. (Maryland), Baltimore, Md.	Alkaline Bone	Smithsburg
17625	" " "	Ammoniated Bone	Baltimore
17845	" " "	Dissolved S. C. Phosphate.	Smithsburg
17746	" " "	Magic Guano	Cordova
17631	" " "	Magic Guano	Baltimore
17846	" " "	Sangston Cereal and Plant Food.	Smithsburg
17684	" " "	Special Compound for Potatoes and Tobacco.	Baltimore
17630	A. A. C. Co. (Moro Phillips), Baltimore, Md.	Standand Guano	Baltimore
17685	A. A. C. Co. (Nickerson), Easton, Md.	Acid Phosphate	Baltimore
17794	" " "	Alkaline Bone and Potash.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17751	1.40	1.25	2.92	3.00	1.35	.....	9.03	9.00	$19.90	$18 80
17769	.....	.....	1.86	2.00	0.50	.....	8.51	8.00	9.62	9 20
17791	2.03	2.00	2.22	2.00	1.55	.....	7.82	8 00	20.34	19.60
17721	.....	.....	.....	.....	0.92	.....	14.64	14.00	13.36	12.60
17600	5.17	5.00	5.70	5.00	1.55	.....	7.46	7.00	35.95	33.40
17752	1.26	1.00	1.18	1.00	1.02	.....	7.30	7.00	15.39	13.40
17792	.....	.....	5.06	5.00	0.40	.....	12.73	12.00	16.60	15 80
17830	.....	.....	5.62	6.00	0.48	.....	8.08	7.00	12.99	12 30
17722	.....	.....	3.14	3.00	0.86	.....	11.80	12.00	13.93	13.80
17682	2.49	2.25	4.22	4.00	4.87	4.50	8.79	9.00	26.68	25.60
17683	1.13	1.00	4.28	4.00	1.10	.....	7.91	8.00	18.73	17.60
17624	1.91	1.50	5.04	5.00	1.92	.....	7.09	6 00	21.96	18.20
17793	0.63	0.50	1.92	2.00	0.85	.....	8.43	8.00	14.90	13.60
17844	.....	.....	3.12	3.00	0.80	.....	12.02	12 00	14.10	13.80
17625	2.32	2.00	3.24	3.00	1.82	.....	8.06	8.00	22.92	20.60
17845	.....	.....	.....	.....	1.67	.....	12.24	14.00	11.35	12.60
17746	1.09	1.00	2.02	2.00	1.37	.....	9.26	9.00	18.04	16.80
17631	1.35	1.00	1.94	2.00	1.55	.....	9.07	9.00	18.84	16.80
17846	1.74	1.50	2.20	2.00	1.77	.....	8.67	9.00	20.27	18.80
17684	2.12	2.00	9.88	10.00	1.32	.....	8.95	8.00	29.63	27.60
17630	1.02	1.00	3.94	4.00	1.27	.....	8.47	8.00	18.69	17.60
17685	.....	.....	.....	.....	1.05	.....	14.11	14.00	12.91	12.60
17794	.....	.....	2.06	2.00	0.60	.....	10.05	10.00	11.23	11.00

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17795	A. A. C. Co. (Nickerson), Easton, Md.	Corn Guano	Baltimore
17831	" " "	Dissolved Bone and Potash.	Baltimore
17686	" " "	English Mixture	Baltimore
17723	" " "	Tomato Fertilizer	Baltimore
17724	A. A. C. Co. (Packers Union), Rutland, Vt.	Acidulated Bone	Baltimore
17851	" " "	American Wheat and Rye Grower.	Baltimore
17796	" " "	Banner Wheat Grower	Baltimore
17725	" " "	Potato Manure	Baltimore
17687	" " "	Universal Fertilizer	Baltimore
17797	A. A. C. Co. (Reese), Baltimore, Md.	Dissolved Phosphate of Lime.	Baltimore
17657	" " "	Potato and Truck Special.	Baltimore
17601	A. A. C. Co. (Slingluff), Baltimore, Md.	Tobacco Bed Fertilizer	Baltimore
17626	" " "	Top Dresser	Baltimore
17832	" " "	Truckers Favorite	Baltimore
17726	A. A. C. Co. (Susquehanna) Baltimore, Md.	Alkaline Bone Phosphate.	Baltimore
17833	" " "	Ammoniated Bone Phosphate.	Baltimore
17798	" " "	High Grade Bone and Potash.	Baltimore
17852	" " "	Potato and Tobacco Phosphate.	Baltimore
17853	" " "	Soluble Bone and Potash.	Baltimore
17834	" " "	Superior Rock Phosphate.	Baltimore
17636	A. A. C. Co. (Tygert Allen), Philadelphia, Pa.	Gold Edge Potato Grower.	Baltimore
17637	" " "	Guano 5%	Baltimore
17658	" " "	Guano 7%	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17795	1.33	1.00	2.12	2 00	1.12	.....	8.33	8.00	$17.89	$15.60
17831	.....	.....	5.42	5.00	0.60	.....	12.20	12.00	16.52	15.80
17686	1.21	1.00	2.28	2.00	1.15	.....	8.14	8.00	17.35	15.60
17723	1.23	1.00	4.10	4 00	1.06	.....	8.53	8.00	19.68	17.60
17724	.....	.....	....	.....	0.97	.....	14.35	14.00	13.11	12.60
17851	1.25	1.00	2.56	2 00	1.25	.....	8.20	8 00	17.90	15.60
17796	.....	.....	2.22	2.00	0.67	.....	10.15	10.00	11.49	11.00
17725	2.66	2 50	6.46	6.00	1.52	.....	7.96	8.00	27.27	25.60
17687	1.33	1.00	4.20	4.00	1.02	.....	7.83	8.00	19.33	17.60
17797	.....	.....	.....	.....	1.23	.....	13.93	14.00	12.79	12.60
17657	4.73	4.00	7.24	7.00	1.82	.....	7.38	8.00	35.75	32.60
17601	10.28	10.00	2.92	2.50	2.15	.....	5.31	4.00	51.27	47.30
17626	4.86	5.00	3.86	2 50	0.42	.....	5.56	5.00	30.14	28.50
17832	2.70	3.75	3.52	3.00	1.87	.....	8.97	9.00	25.83	28.80
17726	.....	.....	2.28	2.00	0.67	.....	9.99	10.00	11.40	11.00
17833	2.13	2.00	2.06	2.00	1.42	.....	8.48	8.00	21.33	19.60
17798	.....	.....	5.04	5.00	0.50	.....	12.84	12.00	16.70	15.80
17852	2.01	2.00	5.02	5.00	1.37	.....	8.21	8.00	23.46	22.60
17853	.....	.....	2.24	2.00	0.50	.....	10.10	10.00	11.43	11.00
17834	.....	.....	.....	.....	1.00	.....	14.73	14.00	13.46	12.60
17636	2.64	2.50	6.02	6.00	1.80	.....	7.86	8.00	26.73	25.60
17637	5.26	5.00	5.70	5.00	1.30	.....	7.73	7.00	36.54	33.40
17658	7.17	7.60	5.62	5.00	1.90	.....	6.28	6.00	42.60	40.20

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
17727	A. A. C. Co. (Tygert Allen), Philadelphia, Pa.	Standard Bone Phosphate.	Baltimore.....
17728	" " "	Star Dissolved S. C. Bone.	Baltimore.....
17729	" " "	Star Soluble Bone and Potash.	Baltimore.....
17847	A. A. C. Co., (Wheeler), Rutland, Vt.	Corn Fertilizer.....	Rohrersville .....
17854	" " "	Electrical Dissolved Bone.	Baltimore.....
17730	" " "	General Crop Grower.....	Baltimore.....
17812	" " "	High Grade B. and P.....	Kensington.....
17688	" " "	High Grade Tomato Fertilizer.	Baltimore.....
17659	" " "	Potato Manure.....	Baltimore.....
17660	" " "	Superior Truck.....	Baltimore.....
17763	A. A. C. Co. (Zell), Baltimore, Md.	Ammoniated Bone.....	Laurel.....
17770	" " "	Dissolved Bone.....	Union Miils.....
17771	" " "	Economizer Phosphate...	Union Mills.....
17683	" " "	Electric Phosphate.....	Baltimore.....
17690	" " "	Hustler Phosphate.....	Baltimore.....
17764	" " "	Little Giant.....	Laurel.....
17661	" " "	Special Compound for Potatoes and Vegetables.	Baltimore.....
17899	" " "	Tobacco Fertilizer.....	Baltimore.....
17691	The Armour Fertilizer Works, Baltimore, Md.	Acidulated Bone Meal....	Baltimore.....
17876	" " "	Acid Phosphate.....	Muirkirk ..... (Cassard Bros.)
17855	" " "	All Soluble.....	Baltimore .....
17732	" " "	Bone, Blood and Potash..	Baltimore.....
17602	" " "	Bone Meal	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17727	2.10	2.00	2.20	2.00	1.92	.....	8.22	8.00	$21.23	$19.60
17728	.....	.....	.....	.....	0.92	.....	14.51	14.00	13.24	12.60
17729	.....	.....	2.08	2 00	0.47	.....	10.21	10.00	11.36	11.00
17847	2.24	2.00	2.01	2.00	1.65	.....	7.90	8.00	21.11	19.60
17854	.....	.....	...	.....	1.32	.....	14.11	14.00	12.96	12.60
17730	2.25	2.00	2.40	2.00	1.85	.....	8.29	8.00	22.09	19.60
17812	.....	.....	3.22	3.00	0.75	.....	12.48	12.00	14.60	13.80
17688	1.45	1.00	1.20	1 00	1.35	.....	7.15	7.00	16.12	13.40
17659	2.41	2.50	3.30	3.00	1.90	.....	8.37	8.00	23.74	22.60
17660	4.62	4.00	10.20	7.00	1.80	.....	6.36	8.00	37.03	32.60
17763	2.20	2 00	2.12	2.00	1.72	.....	8.53	8.00	21.85	19.60
17770	.....	.....	.....	.....	0.85	.....	14.23	14.00	12.98	12.60
17771	1.18	1.00	2.06	2.00	1.35	.....	8.07	9.00	17.00	16.80
17689	.....	.....	2.22	2.00	0.82	.....	10.45	10.00	11.79	11.00
17690	1.16	1 00	3.20	3.00	1.02	.....	9.36	9.00	19.48	17.80
17764	1.19	1.00	1.16	1.00	1.07	.....	7.28	7.00	15.09	13.40
17661	3.02	3.00	3.92	4.00	1.34	.....	8.38	8.00	26.60	25.60
17899	2.83	3.00	3.78	4.00	1.82	.....	8.68	8.00	26.25	25.60
17691	2.01	2.00	.....	.....	1.85	.....	13.61	11.00	25.11	21.20
17876	.....	.....	.....	.....	0.15	.....	14.55	14.00	13.13	12.60
17855	3.87	3.50	3.86	4.00	1.25	.....	8.03	8.00	29.48	27.60
17732	5.01	5 00	6.62	7.00	0.40	.....	7.97	8 00	36.38	36.60
17602	3.31	3.00	.....	.....	24.20*	24.00*	.....	.....	24.45	23.40

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
17799	The Armour Fertilizer Works, Baltimore, Md.	Cereal Phosphate	Baltimore
17638	" " "	Fruit and Root Crop Special.	Baltimore.
17856	" " "	General	Baltimore
17733	" " "	Grain Grower	Baltimore
17639	" " "	High Grade Potato Fertilizer.	Baltimore
17747	" " "	Horsey's Special Mixture.	Greensboro
17640	" " "	Manure Substitute	Baltimore
17864	" " "	Manure Substitute	Raspsburg R. F. D. Chas. J. McCormick
17835	" " "	Phosphate and Potash	Baltimore
17662	" " "	Phosphate and Potash No. 1.	Baltimore.
17734	" " "	Phosphate and Potash No. 2.	Baltimore
17627	" " "	Raw Bone Meal	Baltimore.
17663	" " "	Royal Ammoniated Bone.	Baltimore
17735	" " "	Special Mixture	Baltimore
17867	" " "	Special Mixture	Greensboro (F. R. Roe.)
17736	" " "	Special Trucker	Baltimore
17748	" " "	Star Phosphate	Ridgely
16388	" " "	Star Phosphate	Brownsville
17800	" " "	Tobacco Special	Baltimore
17664	" " "	Tomato Grower	Baltimore.
17603	" " "	Trucker 7%	Baltimore
17692	" " "	Trucker 10%	Baltimore
17857	" " "	Valley Brand Tobacco	Baltimore.

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17799	.....	.....	.....	.....	0.22	.....	10.19	10.00	$ 9.21	$ 9.00
17638	2.05	2.00	4.92	5.00	0.90	.....	8.38	8.00	23.54	22.60
17856	2.06	2.00	2.20	2.00	1.62	.....	8.31	8.00	21.06	19.60
17733	2.18	2.00	2.54	2.00	0.52	.....	8.80	8.00	22.03	19.60
17639	2.01	2.00	10.72	10.00	1.03	.....	8.56	8.00	29.44	27.60
17747	3.17	3.50	5.56	5.00	5.77	.....	6.50	7.00	28.35	27.40
17640	5.39	4.00	4.72	4.00	0.77	.....	5.51	6.00	33.20	27.20
17864	4.73	4 00	8.76	4.00	0.80	.....	5.26	6.00	34.31	27.20
17835	.....	.....	4.72	5 00	0.97	.....	11.89	12.00	15.61	15.80
17662	.....	.....	2.36	2.00	0.80	.....	9.54	10.00	11.11	11.00
17734	.....	.....	4.18	5.00	0.37	.....	9.24	8.00	12.57	12.20
17627	4.81	4.50	.....	.....	22.73*	22.00*	.....	.....	28.07	26.70
17663	1.01	1.00	4.30	4.00	0.90	.....	8.20	8.00	18.54	17 60
17735	0.49	0.50	1.46	1.00	0.45	.....	8.17	8.00	13.40	12.60
17867	3.53	3.50	6.18	5.00	5.37	.....	7.48	7.00	31.43	27.40
17736	4.10	4.00	4.10	4 00	0.57	.....	9.11	8.00	31.66	29.60
17748	.....	.....	.....	.....	0.75	.....	13.90	14.00	12.66	12.60
16388	.....	.....	.....	.....	0.47	.....	14.51	14.00	13.15	12.60
17800	2.80	3 00	3.40	3.00	0.75	.....	8.16	8.00	24.69	24.60
17664	2.29	2.00	2.34	2.00	1.45	.....	7.76	8.00	21.39	19.60
17603	6.95	7.00	5.36	5.00	0.62	.....	6.09	6.00	40.72	40.20
17692	8.22	10.00	4.58	3.00	0.25	.....	5.93	5.00	44.68	49.00
17857	1.86	2.00	5.14	5.00	1.08	.....	8.13	8.00	22.77	22.60

* Total Phosphoric Acid.

No	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
17801	The Armour Fertilizer Works, Baltimore, Md.	Wheat, Corn and Oats Special.	Baltimore.
17737	" " "	Wheat and Clover Fertilizer.	Baltimore
17665	" " "	Wheat Special	Baltimore
17749	" " "	Wheat and Grass Special.	Greensboro
17772	C. A. Baile & Co., Medford, Md.	Bone Phosphate No. 3	Medford
17738	Baltimore Fertilizer Co., Baltimore, Md.	Honest Acid Phosphate.	Baltimore.
17836	" " "	Honest Ammoniated Bone.	Baltimore
17693	" " "	Honest Bone Phosphate	Baltimore
17802	" " "	Honest Bone and Potash	Baltimore
17694	" " "	Honest Crop Grower	Baltimore
17695	" " "	Honest Potato Grower	Baltimore
17696	" " "	Honest Revenue	Baltimore
17666	" " "	Honest Standard	Baltimore
17667	" " "	Honest Success	Baltimore
17668	" " "	Honest Trucker	Baltimore
17739	" " "	Old Honesty your moneys worth.	Baltimore
17669	Baltimore Pulverizing Co., Baltimore, Md.	Eastern Shore Crop Grower.	Baltimore
98003	" " "	Penniman's Excelsior Fertilizer.	Baltimore
98004	" " "	Practical Fertilizer	Baltimore
98005	" " "	Royal Tomato Compound.	Baltimore
17670	" " "	Special Spring Mixture	Baltimore
17604	" " "	Trucker's Choice	Baltimore
17773	Baugh & Sons Co., Baltimore, Md.	Acid Phosphate	Hoods Mills

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17801	0.94	1.00	1.84	1 00	0.70	.....	7.38	7.00	$14.74	$13.40
17737	.....	.....	5.02	5.00	0.55	.....	9.72	10.00	13.88	14.00
17665	0.94	1.00	4.40	2.00	0.60	.....	8.18	8.00	18.22	15.60
17749	1.14	1.00	5.04	5.00	0.85	.....	7.22	7.00	18.60	17 40
17772	1.35	1 25	2.30	2 00	1.22	1.50	10.02	9.50	20.21	19.00
17738	.....	.....	.....	.....	1.32	.....	15.18	14.00	13.92	12 60
17836	2.47	2.00	2.92	2.00	1.57	.....	8.71	8.00	23.88	19.60
17693	0.48	0.25	2.32	1.00	0.25	.....	6.83	7.00	12.54	10.40
17802	.....	.....	3.02	2.00	1.25	.....	10.75	10.00	12.95	11.00
17694	1.30	1.00	2.30	1 00	1.32	.....	9.15	8.00	19.01	14.60
17695	2.13	2.00	7.02	8.00	1.90	.....	8.25	6.00	26.20	23.20
17696	2.29	3.00	7.34	6.00	1.97	.....	7.71	7.00	26.54	26.40
17666	1.50	1.25	4.08	3.00	1.45	.....	9.96	10.00	22.61	20 00
17667	1.04	1.00	5.28	4.00	1.97	.....	6.92	7.00	18.53	16 40
17668	4.64	6.00	5.62	5.00	1.70	.....	7.26	5.00	33.57	35 00
17739	0.60	0.50	2.14	2.00	0.30	.....	8.39	8.00	14.73	13.60
17669	.....	.....	3.04	2.00	1.22	.....	10.08	10.00	12.35	11.00
98003	.....	.....	2.98	2.50	1.93	.....	9.39	10.00	11.82	11.50
98004	1.96	0.50	3.02	1.00	0.78	....	8.54	8.00	21.42	12 60
98005	1.54	2.00	4.16	2.00	1.40	.....	7.13	8.00	19.44	19.60
17670	.....	.....	1.40	1.00	1.27	1.00	7.23	8.00	8.16	8.40
17604	2.56	3.00	1.84	3.00	2.00	.....	8.60	8 00	22.40	24.60
17773	.....	.....	.....	.....	0.82	.....	15.30	14 00	13.93	12 60

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17813	Baugh & Sons Co.. Baltimore, Md.	Ammoniated Soluble Alkaline.	Cooksville .....
17697	" " "	Animal Bone and Potash Compound.	Baltimore.....
17814	" " "	Animal Bone and Muriate of Potash Mixture.	Woodbine..... ....
17698	" " "	Complete Animal Bone Fertilizer.	Baltimore.....
17862	" " "	Complete Fertilizer	Westminster..... (B. F. Shriver.)
17740	" " "	Double Eagle $25 Phosphate.	Baltimore.....
17699	" " "	Excelsior Guano.....	Baltimore.....
17705	" " "	Excelsior Guano.....	Providence.....
17671	" " "	Export Bone with Potash.	Baltimore.....
17815	" " "	Fine Ground Bone.....	Rockville .....
17673	" " "	Fine Ground Tankage....	Baltimore,..... .
17700	" " "	Fish, Bone and Potash...	Baltimore.....
17803	" " "	Grand Rapid High Grade Truck Guano.	Baltimore .....
17641	" " "	General Crop Grower	Baltimore.....
17706	" " "	General Crop Grower.....	Providence.....
17745	" " "	High Grade Acid Phosphate.	Laurel.....
17804	" " "	High Grade Cotton and Truck Guano.	Baltimore.....
17816	" " "	High Grade Potash Mixture.	Washington Grove.
17774	" " "	High Grade Truck Guano.	Hoods Mills.....
17605	" " "	New Process 10% Guano.	Baltimore.....
17642	" " "	Peninsula Grain Producer.	Baltimore.....
17606	" " "	Peruvian Guano 10%.....	Baltimore.....
17674	" " "	Peruvian Guano Substitute for Potatoes and Veg.	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17813	0.78	0.50	2.44	2.00	1.27	.....	7.96	8.00	$15.62	13.60
17697	2.29	2.00	2.01	2.00	1.67	.....	7.62	8.00	20.98	$19.60
17814	3.77	3.00	4.22	5.00	8.15	.....	8.95	.....	30.30	.....
17698	2.24	2.00	6.24	5 00	0.47	.....	8.36	8.00	25.42	22.60
17862	1.67	1.50	3.82	3.50	2.02	.....	9.94	12.00	23.24	23.90
17740	2.12	2.00	1.34	1.00	0.82	.....	8.23	8.00	20.03	18.60
17699	1.35	1.00	4.16	4 00	0.82	.....	8.17	8.00	19.69	17.60
17705	1.16	1 00	4.02	4.00	1.94	....	9.73	8.00	21.12	17.60
17671	2.92	2.00	2.94	2.00	12.45	.....	3.59	11.00	23.91	23.20
17815	3.74	3.00	.....	.....	17.45*	16 50*	.....	.....	21.69	18 90
17673	9.03	9.00	.....	.....	8.64*	.....	.....	.....	32.27	27.00
17700	4.61	4.00	4.86	4.00	1.02	.....	9.04	8.00	34.55	29.60
17803	2.88	3 00	3.84	3.00	0.40	.....	8.18	8.00	25.34	24.60
17641	1.62	1.00	1.78	1.00	1.40	.....	8.48	8.00	19.00	14.60
17706	1.11	1.00	1.50	1 00	1.35	.....	8.85	8.00	17.10	14.60
17745	.....	.....	.....	.....	1.22	.....	14.35	14.00	13.16	12.60
17804	2.58	2.00	2.62	2.00	1.75	.....	9.68	10.00	25.26	22.00
17816	.....	.....	4.82	4.00	0.90	.....	10.26	10.00	14.23	13.00
17774	3.43	3.00	3.28	3.00	2.62	.....	8.57	8.00	28.33	24.60
17605	7.08	10.00	4.28	2.50	1.45	.....	5.63	5.00	39.94	48.50
17642	2.22	1.00	3.62	2.00	0.95	.....	8.14	8.00	22.65	15.60
17606	11.64	10.00	.....	.....	2.77	.....	7.34	.....	56.48	40.00
17674	5.24	5.00	7.46	7.00	0.97	.....	6.68	6.00	36.83	34.20

* Total Phosphoric Acid.

No.	Name and address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17837	Baugh and Sons Co., Baltimore, Md.	Phosphate and Potash 12x5.	Baltimore
17644	" " "	Potato Guano 7%	Baltimore
17643	" " "	Potato and Truck Special.	Baltimore
17707	" " "	Pure Dissolved Animal Bone.	Providence
17645	" " "	Pure Dissolved Animal Bone.	Baltimore
17753	" " "	Pure Dissolved Bone.	Aberdeen
17887	" " "	Pure Raw Bone Meal	Providence
17675	" " "	Raw Bone Meal	Baltimore
17708	" " "	Raw Bone Meal	Providence
17863	" " "	Rock and Potash	Westminster (B. F. Shriver.)
17741	" " "	Soluble Alkaline Super Phosphate.	Baltimore.
17888	" " "	Special Guano.	Zion
17754	" " "	Special Mixture	Forest Hill
17647	" " "	Special Potato Manure	Baltimore
17676	" " "	Three, Six and Six	Baltimore
17701	" " "	Tomato Compound	Baltimore.
17818	Beck, Walker Co., Chestertown Md.	Corn Super-Phosphate	Chestertown
17819	" " "	Good Drilling 12 x 3	Crumpton
17820	" " "	Propagator Super-Phosphate.	Chestertown
17821	" " "	Tomato Super-Phosphate.	Chestertown
17822	" " "	Try Me Super-Phosphate.	Chestertown
17755	Berg Co., Philadelphia, Pa.	Bone Manure $25	Magnolia
17709	" " "	Potato Manure	Leslie

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17837	.....	.....	5.62	5.00	0.82	.....	10.56	12.00	$15.28	$15.80
17644	8.04	7.00	5.76	5.00	0.99	.....	6.26	6.00	45.83	40.20
17643	4.18	3.50	5.70	7.00	1.62	.....	8.08	7.00	32.77	29.40
17707	2.71	2.50	.....	.....	0.94	.....	15.18	13.00	29.44	25.60
17645	2.83	2.50	.....	.....	2.00	.....	14.37	13.00	29.36	25 60
17753	2.64	2.00	.....	.....	1.20	.....	15.57	13.00	29.72	23.60
17887	4.64	4.50	.....	.....	21.33*	21.50*	.....	.....	26.72	26.40
17675	4.79	4.50	.....	.....	20.79*	21.50*	... .	.....	26.84	26.40
17708	4.57	4.50	....	.....	20.83*	21.50*	.....	.....	26.21	26.40
17863	.....	.....	3.62	3.50	5.30	5.00	10.53	10 00	14.16	13.50
17741	.....	.....	2.74	2.00	0.50	.....	10.12	10 00	11.95	11.00
17888	1.25	4.00	4.58	6.00	1.97	.....	8.95	8.00	21.11	31.60
17754	1.72	2.00	8.88	4.00	1.22	.....	6.93	8.00	24.57	21.60
17647	3.05	2.00	9.36	10.00	0.82	.....	6.18	5.00	29.31	24 00
17676	3.91	3.00	6.78	6.00	0.74	.....	6.72	6.00	30.78	25.20
17701	2.22	2.00	2.14	2.00	1.60	....	8.76	8.00	22.17	19.60
17818	1.09	1.00	4.86	4.00	0.97	.....	8.04	8.00	19.26	17.60
17819	.....	.....	3.18	3.00	1.25	.....	11.04	12.00	13.37	13.80
17820	1.69	2.00	2.46	2.00	1.22	.....	8.14	8.00	19.48	19.60
17821	2.12	2.00	3.78	4.00	0.47	.....	8.60	8.00	22.77	21 60
17822	0.51	0 50	3.86	3 00	1.62	.....	8.50	9.00	16.75	15.80
17755	1.52	2.00	3.18	5.00	2.12	.....	9.48	7.00	21.49	21 40
17709	3.41	3.65	11.28	10.00	2.85	.....	7.13	7.00	34.62	33.00

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler, when not the College.)
17756	Berg Co., Philadelphia, Pa.	Raw Bone	Fallston
17765	" " "	Special Bone Manure	Annapolis
17757	" " "	Standard Bone Manure	Fallston
17710	" " "	Vigor Volo Bone and Potash.	Leslie
17848	W. H. Bixler, Hagerstown, Md.	Bone Phosphate	Maugansville
17841	Jas. Bondav, Jr. & Co., Baltimore, Md	Old Reliable Brand Genuine German Kainit.	Baltimore
17775	S. B. Brodbeck, Brodbeck, Pa.	Alkaline	Melrose
17776	" " "	Ruth's Dissolved Bone Phosphate.	Melrose
17777	" " "	Special Potato Fertilizer.	Melrose
17778	" " "	Standard Ammoniated Phosphate.	Melrose
17758	Henry Cope & Co., Lincoln University, Pa.	Ammoniated Bone Phosphate.	Havre de Grace
17889	" " "	Potato and Corn Phosphate.	Rising Sun
17759	" " "	Pure Bone Phosphate	Havre de Grace
17890	" " "	Regular Grade Soluble Bone and Potash.	Rising Sun
17891	" " "	Queen of Elk Valley	Zion
17760	L. E. P. Dennis & Son, Crisfield, Md.	Fish and Potash Mixture No. 2.	Federalsburg
17858	J. W. Dorsey, Ellicott City, Md.	Mixture D	Ellicott City
17805	Dudley & Carpenter, Baltimore, Md	California Tobacco Compound.	Baltimore
17607	" " "	Special Tobacco Plant Guano.	Baltimore
17838	" " "	Special Wheat Mixture	Baltimore
17608	Edelen Bros., Baltimore, Md.	Special Tobacco Bed 10%.	Baltimore
17884	" " "	Special Tobacco Bed 10%.	Baltimore
17859	" " "	Special Tobacco Guano	Baltimore

No.	NITROGEN, Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17756	4.54	3.65	.....	.....	23.17*	20.00*	.....	.....	$27.52	$22.95
17765	2.42	3.00	7.36	10.00	2.10	.....	8.28	8.00	27.82	31.60
17757	2.34	3.00	6.88	6.00	2.22	.....	7.98	8.00	26.71	27.60
17710	1.71	2.00	5.78	5.00	4.05	.....	7.50	.....	23.24	.....
17848	2.12	1.50	2.88	2.50	2.82	.....	6.41	8.00	20.18	18.10
17841	.....	.....	13.42	12.00	.....	.....	.....	.....	.....	.....
17775	.....	.....	3.12	2.00	1.72	1.00	8.40	8.00	11.02	9.40
17776	.....	.....	.....	.....	1.77	1.00	14.03	14.00	12.98	12.80
17777	1.43	1.00	5.24	4.00	3.05	1.00	8.12	8.00	21.92	18.00
17778	2.12	2.00	1.86	2.00	4.00	1.00	7.91	8.00	21.43	20.00
17758	1.02	1.00	2.70	2.00	1.27	.....	7.02	8.00	15.71	15.60
17889	1.21	1.50	4.68	4.00	2.05	.....	7.10	7.00	18.86	18.40
17759	1.88	2.00	3.10	3 00	2.40	.....	10.43	8.00	24.10	20.60
17890	.....	.....	3.22	2.00	1.22	.....	9.20	10.00	11.74	11.00
17891	1.50	2.00	8.20	8.00	0.75	.....	6.20	7.00	21.94	24.40
17760	2.41	2.00	2.78	3 00	0.97	.....	5.85	7.00	19.83	19.40
17858	2.17	2.25	4.26	4.00	1.65	1.50	9.32	9.00	24.78	24.40
17805	3.46	4.00	2.04	2.00	1.47	1.00	8.60	8.00	26.79	28.00
17607	10.06	10.00	3.64	3.00	1.67	.....	5.92	5.00	51.65	49.00
17838	.....	.....	3.12	3.00	0.65	.....	11.91	12.00	13.97	13.80
17608	9.04	10.00	3.70	3.00	0.82	.....	6.38	4.00	47.85	47.80
17884	9.62	10.00	3.32	3.00	0.67	.....	6.31	4.00	49.64	47.80
17859	3.43	3.00	2.58	3.00	0.80	.....	10.53	8.00	29.26	24.60

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
9771	T. W. Eliason, Chestertown, Md.	Our Special Dissolved Alkaline Phos. and Potash	Baltimore
17781	Englar Bros. Co., Linwood, Md.	Ammoniated Bone Phosphate No. 2.	Linwood
17892	Eureka Fertilizer Co., Perryville, Md.	Alkaline Bone and Potash	Rising Sun
17893	" " "	Fish, Bone and Potash	Rising Sun
17894	" " "	Grain and Grass Mixture.	Rising Sun
17895	" " "	Imperial Bone Phosphate.	Rising Sun
17896	" " "	Potato and Vegetable	Rising Sun
17897	" " "	P. & P. Super-Phosphate.	Rising Sun
17609	W. S. Farmer & Co., Baltimore, Md.	Anne Arundel Trucker	Baltimore
17677	" " "	B. & P. Phosphate	Baltimore
17702	" " "	Clyde Brand	Baltimore
17807	" " "	Dissolved South Carolina Bone.	Baltimore
17806	" " "	Empire Alkaline Bone	Baltimore
17628	" " "	Fish Mixture	Baltimore
17648	" " "	Harvest Queen Phosphate	Baltimore
17703	" " "	Potato Manure No. 1.	Baltimore
17649	" " "	Potato & Tobacco Phosphate.	Baltimore
9772	" " "	Standard Phosphate	Baltimore
17650	" " "	Standard Phosphate	Baltimore
17742	" " "	Strawberry Mixture	Baltimore
17823	" " "	Top Dresser	Kennedyville
17678	" " "	Truckers' Compound	Baltimore
17779	Farmers' Fertilizer Co., Union Bridge, Md.	Bone Phosphate No. 1	Union Bridge

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
9771	.....	....	2.66	1.50	0.45	2.00	10.53	11.00	$12.23	$11.80
17781	1.02	1.00	2.52	2.40	0.90	.....	10.27	9.80	19.28	18.16
17892	.....	.....	1.42	2.00	1.85	.....	10.93	10.00	11.63	11.00
17893	0.68	0.50	1.18	1.00	2.15	.....	8.05	8.00	14.42	12.60
17894	1.06	1.00	2.04	2.00	2.82	.....	9.92	8.00	19.31	15.60
17895	1.02	1.00	2.78	1.00	1.90	.....	7.60	8.00	16.74	14.60
17896	1.43	2.00	3.70	4.00	2.87	.....	7.52	8.00	19.59	21.60
17897	.....	.....	.....	.....	1.90	.....	11.49	14.00	10.72	12.60
17609	4.90	4.50	7.72	7.00	1.72	.....	8.02	8.00	37.63	34.60
17677	.....	.....	2.18	2.00	0.60	.....	10.21	10.00	11.49	11.00
17702	1.14	1.00	2.12	2.00	1.30	.....	8.12	8.00	16.94	15.60
17807	.....	.....	.....	.....	0.97	.....	14.21	14.00	12.98	12.60
17806	.....	.....	4.92	5.00	0.55	.....	10.65	10.00	14.62	14.00
17628	2.25	2.00	2.16	2.00	1.62	.....	8.26	8.00	21.72	19.60
17648	1.50	1.25	3.02	3.00	1.10	.....	9.36	9.00	20.69	18.80
17703	4.54	4.00	5.44	7.00	1.37	.....	8.85	8.00	34.77	32.60
17649	2.22	2.00	9.94	10.00	1.54	.....	8.57	8.00	29.72	27.60
9772	2.49	2.62	3.04	2.50	1.19	.....	10.03	10.00	25.52	25.00
17650	2.82	2.75	2.98	2.50	1.35	.....	10.11	10.00	26.93	25.50
17742	5.14	5.00	3.86	5.00	1.67	.....	9.09	9.00	36.00	35.80
17823	5.26	5.00	3.20	2.50	1.50	.....	6.12	5.00	32.18	28 50
17678	3.29	3.00	4.50	4.00	1.45	.....	8.53	8.00	28.48	25.60
17779	1.79	1.50	2.56	2.25	1.57	.....	9.59	8.00	21.86	17.85

No.	Name and Address of Manufacturer.	Name of Fertilizer	Place of Sampling, (and Sampler, when not the College.)
17785	Farmers' Fertilizer Co., Union Bridge, Md.	Union Bridge Favorite...	Union Bridge, Md.
17780	Farmers' Fertilizer & Feed Co., Westminster, Md.	Bone Phosphate No. 1...	Westminster.....
17782	" " "	Bone Phosphate No. 2...	Westminster.....
17783	" " "	Bone Phosphate No. 3...	Westminster.....
17784	" " "	Carroll Bone Phosphate..	Westminster.....
17786	" " "	XX Bone Phosphate	Westminster.....
17824	Farmers' & Planters' Co., Salisbury, Md.	Fish Mixture.....	Salisbury.....
17825	" " "	General Crop Grower....	Salisbury.....
17826	" " "	Special Fish Mixture.....	Salisbury.....
17827	" " "	Trucker's Mixture.....	Salisbury.....
17849	Fogle & Miller, Woodsboro, Md.	Maryland Plow Brand....	Woodsboro.....
17839	J. W. Freeman, Great Mills, Md.	Crop Grower.	Baltimore.....
17840	T. H. Gill, Avalon, Va.....	Special for Truck & Tobacco	Baltimore.....
17743	" " "	Try Me Fertilizer.....	Baltimore.....
17679	Griffith & Boyd Co., Baltimore, Md.	Accomac Trucker.....	Baltimore.....
17744	" " "	Cereal Bone Plant Food..	Baltimore.....
17711	" " "	Farmer's Potato Manure.	Providence.....
17610	" " "	Fish, Bone and Potash...	Baltimore.....
17672	" " "	Guano 7%.....	Baltimore.....
17712	" " "	High Grade Acid Phosphate	Colora.....
17611	" " "	Nitro Crop Feeder.....	Baltimore.....
17612	" " "	Original Super-Phosphate	Baltimore .....
17613	" " "	Peerless Fertilizer.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17785	1.35	1.00	2.40	2.00	1.15	.....	9.26	8.00	$19.37	$15.60
17780	2.17	2 50	3.22	2.50	1.37	2.00	9.63	9.00	24.01	24.10
17782	2.15	2.00	2.90	2.50	1.70	1.00	9.67	9.00	23.78	21.70
17783	1.52	1.50	3.32	3.00	1.10	1.00	8.62	8.00	20.18	19.00
17784	0.77	.50	2.76	2.00	1.10	1.00	7.44	7.00	15.21	12.80
17786	1.40	1.00	3.20	3.00	0.97	1.00	8.42	9.00	19.29	18.20
17824	1.67	2.00	2.12	2.00	1.22	.....	9.86	8.00	21.12	19.60
17825	0.90	1 00	2.04	2 00	0.67	.....	11.03	10.00	19.15	18.00
17826	2.02	2.50	5.10	5.00	1.17	.....	8.62	8.00	23.99	24.60
17827	3.33	3.50	3.90	4.00	1.35	.....	8.64	8.00	28.13	27.60
17849	1.30	1.00	2.60	2.00	2.92	1.00	7.42	8.00	17.87	16.00
17839	1.37	1.00	1.20	1.00	0.82	1.50	8.76	8.00	17.52	15.20
17840	3.82	3.00	3.68	3.00	2.62	.....	11.14	9.00	33.38	25.80
17743	2.02	2.00	2.70	2.00	0.60	.....	9.73	9.00	22.70	20.80
17679	4.47	5.00	5.32	5.00	0.87	.....	6.88	6.00	31.81	32.20
17744	1.19	1.00	2.76	2.00	1.27	.....	8.63	8.00	18.39	15.60
17711	1.19	1.00	8.56	9.00	1.50	.....	8.22	8.00	23.78	22.60
17610	1.72	1 75	3.14	3 00	1.32	.....	7.83	7.00	19.95	18.40
17672	7.06	7.00	5.72	5.00	0.92	.....	4.71	5.00	39.98	39.00
17712	.....	.....	.....	.....	0.77	.....	14.91	14.00	13.57	12.60
17611	9.12	9.00	4.74	2.50	.....	.....	.....	.....	41.22	38.50
17612	.....	.....	.....	.....	2.17	.....	12.65	12.00	11.82	10.80
17613	0.56	.35	2.64	2.00	1.30	.....	8.29	8.00	15.35	13.00

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
9789	Griffith & Boyd Co., Baltimore, Md.	Pure Fine Ground Bone Meal.	Baltimore.....
17808	" " "	Royal Potash Guano.....	Baltimore.....
17809	" " "	Special Guano..	Baltimore.....
17651	" " "	Spring Crop Grower.....	Baltimore.....
17629	" " "	Stable Manure Substitute	Baltimore.....
17761	" " "	Valley Fertilizer.....	Federalsburg .....
17614	" " "	Vegetable Bone.....	Baltimore.....
17652	" " "	XX Potato Manure.....	Baltimore.....
17810	Griffith & Turner Co., Baltimore, Md.	Ammoniated Alkaline Plant Food.	Baltimore.....
9790	" " "	Ammoniated Butchers' Bone Phosphate.	Baltimore.....
9791	" " "	Animal Bone Phosphate..	Baltimore.....
9792	" " "	High Grade Acid Phosphate.	Baltimore.....
17716	" " "	Soft Ground Bone.....	Baltimore.....
9793	" " "	Special Potato Mixture...	Baltimore.....
18124	Hampstead Fertilizer Co., Hampstead, Md.	Grain and Grass Grower..	Hampstead .....
18125	" " "	Honesty	Hampstead .....
18053	W. R. Hearn & Son, Cambridge, Md.	Special Tomato Compound.	Baltimore.....
9773	S. M. Hess & Bro., Philadelphia, Pa.	Ammoniated Bone Snper-Phosphate.	Baltimore.....
18148	" " "	Fish, Bone and Potash...	Baltimore.....
17929	" " "	Fish and Potash Manure..	Baltimore.....
17930	" " "	Keystone Bone Phosphate	Baltimore.....
18054	" " "	Peerless Phospoate.....	Baltimore.....
17959	" " "	Potato and Truck Manure	Baltimore..... ....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
9789	4.68	4 00	.....	.....	21.46*	22.00*	.....	.....	$26.92	$25 20
17808	1.38	1.00	5.10	4.00	1.95	.....	8.04	8.00	21.05	17.60
17809	1.95	2.00	5.50	5.00	1.62	.....	8.12	8.00	23.69	22.60
17651	1.86	2.00	4.76	4 50	1.70	.....	8.20	6.50	22.72	20.30
17629	3.11	3.50	4.16	4.00	1.67	.....	5.63	5.00	24.03	24.00
17761	0.60	0.50	3.28	3.00	0.80	1.00	8.21	8.00	15.85	15.00
17614	2.78	3.00	7.26	7.00	1.12	.....	8.86	8.00	29.46	28.60
17652	....	.....	5.08	5.00	2.07	.....	10.38	10.00	14.83	14.00
17810	1.31	1.00	2.32	1.50	1.50	1.00	8.57	6.50	18.44	13.70
9790	1.14	1.50	2.54	1.50	1.28	1.00	9.35	9.00	18.83	18.70
9791	2.01	2.50	2.84	1.50	1.48	1.00	8.18	10.00	21.29	23.90
9792	.....	.....	.....	.....	0.25	1.00	15.99	14.00	14.44	12.80
17716	2.41	2.00	.....	.....	22.83*	50.00†	.....	.....	20.93	36.00
9793	1.40	1.00	4.58	5.00	1.15	.....	7.90	8.00	20.12	18.60
18124	1.81	2.00	2.14	2.00	1.90	.....	8.29	8.00	20.09	19.60
18125	1.01	1.00	2.62	2.00	1.02	.....	8.03	8.00	16.71	15 60
18053	1.52	1.50	6.88	7.00	0.80	.....	8.59	8.00	23.59	22.60
9773	2.15	2.00	2.10	2.00	1.87	.....	7.83	8.00	20.85	19.60
18148	2.22	2.00	3.20	3.00	1.42	.....	8.03	8.00	22.29	20.60
17929	2.24	2.00	3.50	3.00	1.65	.....	7.90	8.00	22.60	20.60
17930	1.26	1.00	1.18	1.00	1.23	2.00	8.30	8.00	16.67	15.40
18054	....	.....	5.14	5.00	0.85	1.00	11.82	12 00	15.95	16.00
17959	3.69	3.00	6.74	6.00	1.63	.....	7.57	8.00	31.23	27.60

* Total Phosphoric Acid.
† Total "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
9784	S. M. Hess & Bro., Philadelphia, Pa.	Pure Ground Bone	Leslie
18055	" " "	Soluble Bone and Potash	Baltimore
18056	" " "	Special Corn Manure	Baltimore
17994	" " "	Special Compound	Baltimore
17931	" " "	Special Potato Manure	Baltimore
18196	Home Fertilizer Co., Baltimore, Md.	Boykin's Alkaline Bone	Baltimore
18197	" " "	Fish, Bone and Potash Mixture.	Baltimore
18126	W. H. Hood, Mt. Airy, Md.	Special Mixture for Grain and Grass.	Mt. Airy
18108	The Hubbard Fertilizer Co., Baltimore, Md.	Climax Bone Super-Phosphate.	Federalsburg
18165	" " "	Columbia Gem Phosphate.	Walkersville
17960	" " "	Dissolved Animal Bone and Potash.	Baltimore
17961	" " "	Farmers' I X L Super-Phosphate.	Baltimore
18035	" " "	Farmers' I X L Super-Phosphate.	Colora
18127	" " "	Jersey Trucker	Sykesville
18084	" " "	Oriental Phosphate for Wheat and Grass.	Savage
18115	" " "	Royal Ensign	Laurel
18036	" " "	Soluble Bone Phosphate	Colora
18037	" " "	Soluble Bone and Potash	Colora
18038	" " "	Special Mixture of Bone and Potash.	Colora
17995	" " "	Standard Bone Super-Phosphate.	Baltimore
17900	" " "	Truckers' 5% Royal Seal Compound	Baltimore
17962	" " "	Truckers' 7% Royal Seal Compound.	Baltimore
18085	" " "	Wheat Growers' Jewel	Savage

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
9784	4.15	4.00	.....	.....	19.82*	20.60*	.....	.....	$24.34	$24.36
18055	.....	.....	2.22	2.00	0.58	1.00	10.32	10.00	11.63	11.20
18056	1.19	1.00	2.22	2.00	1.08	1.00	8.64	8.00	17.78	16 00
17994	1.18	1.00	4.32	4.00	0.98	1.00	7.74	8.00	18.72	18.00
17931	4.39	4.00	7.40	7.00	2.75	.....	6.64	8.00	34.03	32.60
18196	.....	.....	2.64	2.00	1.35	1.00	9.14	10.00	11.14	11.20
18197	2.08	2.00	2.02	2.00	1.37	.....	8.91	8.00	21.58	19.60
18126	1.19	1.00	2.34	2.00	4.30	.....	6.08	9.00	16.12	16.80
18108	1.11	1 00	5.04	4.00	2.57	.....	6.91	7.00	18.80	16.40
18165	1.09	0.50	1.78	1.00	1.45	.....	8.05	8.00	16.38	12.60
17960	1.09	1.00	2.60	2.00	1.42	.....	7.71	8.00	16.78	15.60
17961	2.22	2.00	2.62	2.00	1.05	.....	8.65	8.00	22.30	19.60
18035	2.39	2 00	3.46	2.00	1.73	.....	8.26	8.00	23.62	19.60
18127	2.02	2.00	10.52	10.00	2.53	.....	7.11	8.00	28.14	27.60
18084	1.25	1.00	2.18	1.00	1.73	.....	8.76	8.00	18.38	14.60
18115	2.73	3 00	4.92	4.00	1.65	.....	8.05	8.00	26.16	25.60
18036	.....	.....	.....	.....	0.55	.....	15.12	14.00	13.72	12.60
18037	.....	.....	2.40	2.00	1.18	.....	10.65	10.00	12.23	11 00
18038	.....	.....	4.84	4.00	1.10	.....	10.02	10.00	14.08	13.00
17995	2.29	2.00	4.10	3.00	1.63	.....	7.73	8.00	23.19	20.60
17900	4.79	5.00	5.86	5.00	1.82	.....	6.74	6.00	33.84	32.20
17963	5.32	7.00	4.72	5 00	1.30	.....	6.22	6.00	33.98	40.20
18085	1.42	1.50	3.22	2.00	2.25	.....	8.05	9.00	19.46	18.80

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17963	M. P. Hubbard & Co., Baltimore, Md.	Acme Bone Fertilizer....	Baltimore.....
18109	" " "	Bermuda Guano 7%.....	Choptank .....
18187	" " "	Bone and Potash.....	Newark.....
17996	" " "	Celebrated Bone Phosphate.	Baltimore.....
17964	" " "	Excelsior Bone Phosphate.	Baltimore.....
16392	" " "	Fish, Bone and Potash...	Henderson .....
17933	" " "	Genuine German Kainit..	Baltimore. .....
18198	" " "	Havana Special for Tobacco.	Baltimore.....
18166	" " "	Maloney's Special Wheat and Grass Mixture.	Clarkville .....
17915	" " "	Maryland Special Vegetable Grower.	Baltimore.....
17879	" " "	Muriate of Potash.....	Cordova..... (Dr. R. Hackett)
98001	" " "	Old Economy	Henderson .....
17966	" " "	Raw Bone Meal.....	Baltimore.....
18149	" " "	Soluble Bone and Potash for Wheat and Grass.	Baltimore.....
17880	" " "	Soluble South Carolina Phosphate.	Cordova..... (Dr. R. Hackett)
18057	" " "	Soluble South Carolina Phosphate.	Baltimore.....
17901	" " "	Special Potato and Tomato Fertilizer.	Baltimore.....
17967	Wilbur W. Hubbard, Chestertown, Md.	New Process Peruvian Guano.	Baltimore. .....
17968	" " "	Our Corn Fertilizer.....	Baltimore. .....
16391	" " "	Our Corn Fertilizer.....	Barclay .....
18058	" " "	Our Early Tomato Peerless.	Baltimore.....
18094	" " "	Our Imperial Compound..	Aberdeen.....
17997	" " "	Our Peerless Fertilizer..	Baltimore. .....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17963	1.13	1.00	4.80	4.00	0.50	.....	8.68	8.00	$19.94	$17.60
18109	6.85	7.00	7.68	4.00	0.55	.....	8.15	7.00	45.08	40.40
18187	.....	.....	2.02	2.00	0.22	2 00	10.03	10 00	11.09	11.40
17996	1.86	2.00	2.16	2.00	0.85	.....	9.08	8.00	20.84	19.60
17964	1.62	1 00	2.38	2.00	1.27	.....	7.97	8.00	18.93	15.60
16392	0.51	0.50	1.70	1.00	0.60	.....	6.02	6.00	11.20	10.20
17933	.....	.....	12.76	12.50	.....	.....	.....	.....	.....	.....
18198	2.37	2.50	3.40	2.50	1.05	.....	9.01	9.00	24.11	23.30
18166	2.41	2.00	5.02	5.00	1.82	.....	10.39	9.00	27.86	23.80
17915	5.44	5.00	5.12	5.00	0.75	.....	7.71	7 00	36.43	33.40
17879	.....	.....	51.60	80.00a	.....	.....	.....	.....	.....	.....
98001	0.97	0.50	2.70	2.00	0.60	.....	6.57	8.00	14.70	13.60
17966	4.78	4.00	.....	.....	22.41*	40.00†	.....	.....	27.79	36.00
18149	.....	.....	3.56	2.00	0.30	2.00	8.94	10 00	11.67	11.40
17880	.....	.....	.....	.....	1.25	.....	14.32	14.00	13.14	12.60
18057	.....	.....	.....	.....	1.25	.....	15.01	14.00	13.76	12.60
17901	2.32	2.00	5.34	5.00	0.42	.....	8.81	7.00	25.36	21.40
17967	7.63	9.00	3.78	3.00	0.35	.....	0.73	.....	35.32	39.00
17968	0.55	1.00	4.01	4.00	0.40	.....	6.64	9.00	14.34	18.80
16391	0.46	0.50	2.80	3.00	0.57	.....	7.42	8.00	13.77	14.60
18058	2.92	3.00	5.98	5.00	0.75	.....	7.22	7.00	26.62	25.40
18094	0.97	1.00	4.36	4.00	0.20	.....	8.22	8.00	18.18	17.60
17997	2.17	2.00	5.04	4.00	0.60	.....	7.39	8.00	22.83	21.60

[a] Guaranteed Muriate of Potash. *Total Phosphoric Acid. † Total "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
17969	Wilbur W. Hubbard, Chestertown, Md.	Our Special Potato Fertilizer.	Baltimore
18181	" " "	Our Victor Fertilizer	Chestertown
9794	S. L. Lamberd Co., Baltimore, Md.	Boss Fertilizer	Baltimore
9795	" " "	Favorite Fertilizer	Baltimore
18167	Lister's Agricultural Chemical Works, Newark, N. J.	Alkaline Bone	Garrett Park
17998	" " "	Alkaline Bone No. 1	Baltimore
18086	" " "	Bone Meal	Gilford
9796	" " "	Buyer's Choice 14% Acid Phosphate	Baltimore
17999	" " "	Celebrated Ground Bone.	Baltimore
18000	" " "	Corn and Potato Fertilizer.	Baltimore
17916	" " "	"G" Brand Fertilizer	Baltimore
17970	" " "	Golden Sheaf Brand	Baltimore
17934	" " "	Harvest Queen Phosphate.	Baltimore
17935	" " "	Potato Guano 7%	Baltimore
17936	" " "	Potato Manure	Baltimore.
18059	" " "	Special Corn and Potato Fertilizer,	Baltimore
17971	" " "	Special Crop Producer	Baltimore
17917	" " "	Special 10% Potato Fertilizer.	Baltimore
17972	" " "	Standard Pure Bone Super Phosphate of Lime.	Baltimore
18087	" " "	Super-Phosphate of Lime	Gilford
17937	" " "	U. S. Phosphate	Baltimore
18110	Mapes Formula & Peruvian Guano Co., New York, N. Y.	Potato Manure	Greensboro
18111	" " "	Veg. Manure or Complete Manure for Light Soils.	Greensboro

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17969	2.71	4.00	7.14	6.00	0.90	.....	6.78	6.00	$26.48	$29.20
18181	1.67	1.00	3.40	2.00	0.32	.....	6.20	8.00	17.65	15.60
9794	1.74	2.00	4.08	4.50	1.55	1.00	8.56	7.00	21.93	21.30
9795	1.16	1.00	2.20	2.00	1.52	1.00	9.13	8.00	18.41	16.00
18167	.....	.....	2.20	2.00	0.67	.....	10.01	10.00	11.34	11.00
17998	.....	.....	5.04	5.00	0.63	.....	12.12	12.00	16.08	15.80
18086	3.31	3.25	.....	.....	27.10*	23.00*	.....	.....	26.19	23.55
9796	....	.....	.....	.....	1.45	1.00	14.31	14.00	13.17	12.80
17999	3.58	3.25	.....	.....	16.37*	12 00*	.....	.....	20.56	16.95
18000	2.29	2.00	3.54	3.00	1.70	.....	8.50	8.00	23.58	20.60
17916	1.16	1.00	4.20	4.00	1.37	....	8.67	8.00	19.79	17.60
17970	0.80	0.50	2.22	2.00	0.98	.....	8.12	8.00	15.55	13.60
17934	1.88	1.50	2.14	2.00	1.32	.....	8.83	9.00	20.79	18.80
17935	6.16	7.00	5.30	5.00	1.97	.....	6.27	6.00	38.25	40.20
17936	4.23	4.00	6.74	7.00	1.10	.....	8.30	8 00	34.06	32.60
18059	2.27	2.00	3.14	3.00	1.38	.....	8.02	8.00	22.39	20.60
17971	1.25	1.00	1.04	1.00	1.15	.....	7.07	7.00	14.98	13.40
17917	2.15	2.00	11.18	10.00	1.57	.....	8.22	8.00	30.27	27.60
17972	3.12	3.00	2.22	2.00	0.50	.....	10.21	9.00	27.15	24.80
18087	3.09	3.00	2.26	2.00	0.98	.....	9.99	9.00	27.00	24.80
17937	1.42	1.25	2.10	2.00	1.32	.....	8.10	8.00	18.03	16.60
18110	4.39	4.50	6.60	6.00	2.05	.....	8.17	8.00	34.78	33.60
18111	6.28	6.00	6.96	6.00	2.58	.....	6.27	6.00	40.63	37.20

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
18001	D. B. Martin Co., Philadelphia, Pa.	Acid Phosphate	Baltimore.
18095	" " "	Abattoir Product	Bel Air
17973	" " "	Bull's Head Fertilizer for Cotton and Tobacco.	Baltimore.
18039	" " "	Claremont Vegetable Grower.	Leslie
9774	" " "	Clark's Standard B. Phosphate.	Ellicott City.
18060	" " "	Corn and Cereal Special.	Baltimore
18002	" " "	Crop Producer	Baltimore
18040	" " "	Dissolved Organic Compound.	Leslie
17974	" " "	Early Truck and Vegetable Grower.	Baltimore.
98002	" " "	Early Truck and Vegetable Grower.	Cumberland. (J. C. McKown.)
17975	" " "	Gilt Edge Potato Manure.	Baltimore
17976	" " "	Guano 7%	Baltimore
17977	" " "	One, Eight and Four	Baltimore
18118	" " "	Potato Special	Laurel
18150	" " "	Potash and Soluble Bone.	Baltimore
17918	" " "	Pure Animal Bone and Potash.	Baltimore
17902	" " "	Pure Dissolved Animal Bone.	Baltimore.
17978	" " "	Pure Ground Bone	Baltimore.
17979	" " "	Pure Raw Bone Meal	Baltimore.
18003	" " "	Special Compound	Baltimore.
17980	" " "	Special Potato Manure.	Baltimore
18041	" " "	Sure Grower	Leslie
18128	F. Mehring, Bruceville, Md.	Acid Phosphate	Bruceville

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18001	.....	.....	.....	.....	0.03	.....	14.01	14.00	$12.62	$12.60
18095	1.23	1.00	4.32	4.00	1.15	.....	8.44	8.00	19.83	17.60
17973	3.21	3.00	2.34	3.00	1.85	.....	8.48	8.00	26.10	24.60
18039	3.41	3.00	4.78	5.00	3.40	.....	7.92	7.00	29.28	25.40
9774	2.20	2.00	3.88	3.00	3.15	.....	10.49	9.00	26.53	21.80
18060	2.05	2.00	2.24	2.00	2.30	.....	9.22	8.00	22.42	19.60
18002	1.38	1.25	.....	.....	1.75	.....	10.21	10.00	18.47	17.00
18040	1.48	1.25	1.94	2.00	2.33	.....	9.15	9.00	19.77	17.80
17974	4.78	4.00	9.26	8.00	1.60	.....	7.07	6.00	37.50	31.20
98002	4.04	4.00	9.40	8.00	1.01	.....	6.64	6.00	33.93	31.20
17975	2.93	3.00	8.68	10.00	0.92	.....	8.74	7.00	31.26	30.40
17976	7.81	7.00	6.36	5.00	0.72	.....	6.72	6.00	45.95	40.20
17977	1.28	1.00	4.24	4.00	1.67	.....	8.13	8.00	19.79	17.60
18118	1.13	1.00	5.62	5.00	1.28	.....	8.08	8.00	20.35	18.60
18150	.....	.....	4.48	5.00	1.13	.....	12.74	12.00	16.18	15.80
17918	2.35	2.00	2.74	2.50	13.92	.....	8.27	.....	27.63	29.70
17902	2.54	2.00	.....	.....	1.87	.....	12.33	12.00	25.71	22.40
17978	3.21	3.00	.....	.....	23.78*	22.90*	.....	.....	23.90	22.74
17979	4.62	4.50	.....	.....	22.46*	21.00*	.....	.....	27.34	26.10
18003	2.01	2.00	6.18	5.00	2.40	.....	7.61	8.00	24.31	22.60
17980	1.13	1.00	5.66	5.00	0.95	.....	8.28	8.00	20.50	18.60
18041	1.40	1.00	1.52	1.00	2.40	.....	8.85	8.00	18.70	14.60
18128	.....	.....	.....	.....	2.35	1.00	15.06	15.00	13.90	13.70

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
18130	F. Mehring, Bruceville, Md.	Dissolved Raw Bone.....	Bruceville.....
18129	" " "	General Crop Grower	Bruceville.....
18131	" " "	Twenty-Six Dollar Phosphate.	Bruceville.....
18061	Miller Fertilizer Co., Baltimore, Md.	Ammoniated Dissolved Bone.	Baltimore.....
17938	" " "	Clinch Phosphate, Rock and Potash.	Baltimore.....
18006	" " "	Club Brand	Baltimore.....
18096	" " "	Corn Fertilizer.....	Forest Hill .....
18199	" " "	Dissolved Raw Bone.....	Baltimore.....
18097	" " "	Farmer's Profit.....	Street.....
18098	" " "	Ground Bone	Forest Hill.....
17939	" " "	Hustler Phosphate.....	Baltimore.....
18151	" " "	McAfee's Potato Grower.	Baltimore.....
18152	" " "	McAfee's Standard Ammoniated Bone Phos.	Baltimore.....
18153	" " "	McAfee's Trucker's Favorite.	Baltimore.....
18062	" " "	McAfee's Top Dressing..	Baltimore.....
17940	" " "	Potato and Vegetable Grower.	Baltimore.....
17919	" " "	Potato and Vegetable Grower No. 1.	Baltimore.....
18182	" " "	South Carolina Rock.....	Crumpton.....
9775	" " "	Special Mixture.....	Baltimore.....
9776	" " "	Special Tobacco Grower..	Baltimore.....
17941	" " "	Special Tomato Grower ..	Baltimore.....
18063	" " "	Special Potato Fertilizer..	Baltimore.....
17981	" " "	Standard Phosphate.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18130	2.27	2.00	.....	.....	1.23	1.00	16.42	14.00	$29.27	$25.20
18129	1.14	1.00	1.62	1.25	3.95	1.00	10.35	11.00	20.18	18.85
18131	1.67	1.50	2.12	1.50	4.37	1.00	10.73	11.00	23.43	21.10
18061	2.17	2.00	2.32	2.00	2.25	1.50	8.11	8.00	21.63	20.20
17938	.....	.....	2.38	2.00	0.43	2.00	9.66	10.00	11.16	11.40
18006	1.31	0.50	2.76	2.00	1.50	1.50	7.74	8.00	17.89	14.20
18096	1.14	1.00	2.90	3.00	0.95	.....	7.02	7.00	16.26	15.40
18199	2.83	2.50	.....	.....	2.40	2.00	11.60	11.00	26.20	24.00
18097	1.33	1.00	4.80	5.00	1.23	.....	8.03	8.00	20.25	18.60
18098	5.36	4.50	.....	.....	23.78*	21.30*	.....	.....	30.35	26.28
17939	1.79	1.00	2.30	1.00	1.12	1.50	8.06	8.00	19.58	15.20
18151	1.89	1.50	3.64	4.00	2.08	.....	8.76	9.00	22.54	20.80
18152	2.24	2.00	2.26	2.00	1.75	.....	8.36	9.00	21.95	20.80
18153	4.10	3.75	3.38	2.50	1.08	.....	8.95	9.00	30.95	28.30
18062	6.40	5.00	2.60	2.50	0.70	.....	4.58	4.00	33.98	27.30
17940	2.08	2.00	3.82	4.00	1.50	1.50	8.19	8.00	22.57	22.20
17919	4.56	4.50	6.80	7.00	1.20	1.50	8.06	8.00	35.19	35.20
18182	.....	.....	.....	.....	0.82	.....	14.13	14.00	12.88	12.60
9775	.....	.....	3.04	3.00	0.75	.....	11.62	12.00	13.65	13.80
9776	2.30	2.00	4.02	4.00	1.35	1.50	7.31	8.00	22.53	22.20
17941	2.30	2.00	2.20	2.00	0.82	1.50	8.01	8.00	21.34	20.20
18063	1.37	1.00	5.30	5.00	1.40	1.50	6.52	7.00	19.16	18.00
17981	3.07	3.00	3.16	3.00	3.09	1.50	7.41	8.00	25.57	25.20

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
18064	Miller Fertilizer Co., Baltimore, Md.	W. G. Phosphate	Baltimore
17920	J. B. Nichols & Son, Baltimore, Md.	Farmer's Friend Fertilizer.	Baltimore
18168	Nicodemus & Grimes, Monrovia, Md.	Sullivan's S. S. S.	Monrovia
16389	Norton Manufacturing Co., Washington, D. C.	Pure Fine Ground Animal Bone.	Silver Spring
16390	" " "	Tankage	Silver Spring
18065	G. Ober & Sons Co., Baltimore, Md.	Avondale Ammoniated Dissolved Bone.	Baltimore
18066	" " "	Dissolved Animal Bone	Baltimore
18132	" " "	Dissolved Bone Phosphate	New Windsor
17942	" " "	Dissolved Bone Phosphate and Potash.	Baltimore
17943	" " "	Farmer's Standard Ammoniated Phosphate.	Baltimore
17982	" " "	Farmer's Mixture	Baltimore
18119	" " "	Fertilizer Mixture	Laurel
17944	" " "	Fish, Bone and Potash Mixture.	Baltimore
17983	" " "	Fish and Potash Fertilizer	Baltimore
17945	" " "	High Grade Acid Phosphate.	Baltimore
9777	" " "	Independent Ammoniated Super-Phosphate	Ellicott City
17946	" " "	Nitrate of Soda	Baltimore
16395	" " "	Stag Guano	Baltimore
18154	" " "	Special Compound for Tobacco.	Baltimore
17984	" " "	Special Plant Food	Baltimore
9755	" " "	Standard Potash Compound.	Baltimore
17985	" " "	Standard Southern Vegetable Fertilizer.	Baltimore
18088	L. G. Orndorff, Washington, D. C.	Ammoniated Bone	Berwyn

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18064	0.85	0.50	1.48	1.00	1.30	1.50	6.77	7.00	$13.52	$12.00
17920	4.02	4.00	4.78	4.00	0.97	.....	8.77	7.00	31.77	28.40
18168	2.17	2.00	2.32	2.00	1.49	.....	8.49	9.00	21.79	20.80
16389	2.53	2.50	.....	.....	23.93*	20.00*	.....	.....	21.95	19.50
16390	7.54	7.00	.....	.....	6.34*	14.00*	.....	.....	26.42	29.40
18065	2.34	2.00	2.74	2.00	1.30	.....	8.55	8.00	22.88	19.60
18066	3.36	3.00	.....	.....	2.13	.....	13.39	10.00	30.36	24.00
18132	.....	.....	2.62	2.00	0.18	.....	11.81	10.00	13.29	11.00
17942	.....	.....	3.02	3.00	0.12	.....	13.01	11.00	14.75	12.90
17943	2.15	2.00	2.50	2.00	0.25	.....	11.90	9.00	25.48	20.80
17982	1.18	1.00	3.10	2.00	2.33	.....	8.43	9.00	18.87	16.80
18119	1.28	1.00	.....	.....	0.60	.....	10.14	9.00	17.53	14.80
17944	3.11	3.25	3.24	3.50	1.10	.....	8.94	8.00	26.85	26.10
17983	2.71	2.00	4.08	2.00	0.50	.....	10.07	9.00	27.20	20.80
17945	.....	.....	.....	.....	0.10	.....	16.75	16.00	15.10	14.40
9777	1.66	1.00	1.72	1.00	0.52	.....	9.60	8.00	20.09	14.60
17946	19.30	18.00	.....	.....	.....	.....	.....	.....	.....	.....
16395	1.26	1.00	5.10	4.00	1.12	.....	10.15	8.00	22.77	17.60
18154	3.33	3.00	3.64	3.00	1.33	.....	9.40	8.00	28.77	24.60
17984	2.13	2.00	4.80	5.00	0.20	.....	11.02	9.00	26.62	23.80
9755	.....	.....	6.52	5.00	0.37	.....	12.80	12.00	18.11	15.80
17985	6.13	7.00	5.84	5.00	0.50	.....	8.08	6.00	40.26	40.20
18088	1.84	2.00	2.40	2.00	2.32	.....	7.18	9.00	19.31	20.80

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
18183	Patapsco Guano Co., Baltimore, Md.	Alkaline Phosphate	Georgetown
18133	" " "	Baltimore Soluble Phosphate.	Greenmount
18134	" " "	Blood, Bone and Potash	Greenmount
17947	" " "	Columbia Guano for Truck Potatoes and Tobacco.	Baltimore
18007	" " "	Coon Brand Guano	Baltimore
18067	" " "	Corn and Tomato Fertilizer.	Baltimore
17948	" " "	Early Trucker	Baltimore
18008	" " "	Fish Guano	Baltimore
9756	" " "	High Grade Bone and Potash.	Baltimore
18135	" " "	Phospho Potash	Greenmount
18136	" " "	Pure Dissolved South Carolina Bone.	Greenmount
18009	" " "	Pure Ground Bone	Baltimore
18155	" " "	Sea Gull Guano	Baltimore
18010	" " "	Soluble Bone and Potash	Baltimore
9757	" " "	Special Wheat Compound, Animal Bone Base.	Baltimore
9778	" " "	Tobacco Fertilizer	Baltimore
18137	" " "	Tobacco and Potato Fertilizer.	Greenmount
9758	Piedmont - Mt. Airy Guano Co., Baltimore, Md.	Bone Meal	Baltimore
17903	" " "	Bone Meal	Baltimore
17904	" " "	Early Trucker	Baltimore
18138	" " "	Economy	Mt. Airy
18156	" " "	Farmer's Bone and Potash	Baltimore
18090	" " "	Farmer's Favorite	Greensboro

No.	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18183	.....	.....	3.36	3 00	0.40	.....	12.27	12.00	$14.48	$13.80
18133	.....	.....	2.10	2 00	0.84	.....	11.08	11.00	12.24	11.90
18134	0.68	0.50	2.01	2 00	1.17	.....	8.03	8.00	14.84	13.60
17947	3.23	3.00	5.02	5.00	1.25	.....	8.36	8.00	28.47	26.60
18007	1.19	1.00	3.02	3.00	0.90	.....	9.29	9.00	19.29	17.80
18067	1.88	1.50	2.34	2.00	1.88	.....	8.77	9.00	21.13	18.80
17948	5.02	5.00	5.44	5.00	1.30	.....	7.36	7.00	34.87	33.40
18008	2.47	2.00	2.02	2 00	1.73	.....	5.79	8.00	19.54	19.60
9756	.....	.....	5.48	5.00	0.92	.....	11.08	11.00	15.63	14.90
18135	.....	.....	3.03	3.00	0.50	1.00	6.62	6.00	9.09	8.60
18136	.....	.....	.....	.....	1.10	.....	14.06	14.00	12.87	12.60
18009	4.76	4.50	.....	.....	20.40*	45.00†	.....	.....	26.52	40 50
18155	1.28	1.00	1.38	1.00	1.44	.....	8.01	8.00	16.69	14.60
18010	.....	.....	2.24	2.00	0.53	.....	9.13	10:00	10.57	11.00
9757	2.47	2.25	2.78	2.50	3.47	5.00	10.20	9.00	26.29	24.30
9778	3.14	3.00	3.30	3.00	1.17	.....	8.97	8.00	27.09	24.60
18137	2.10	2.00	4.01	4.00	1.61	.....	8.02	8.00	22.67	21.60
9758	3.92	4.00	.....	.....	23.62*	40.00†	.....	.....	25.93	36.00
17903	4.69	4.00	.....	.....	25.73*	40.00†	.....	.....	29.51	36.00
17904	5.02	5.00	5.76	5.00	1.85	.....	6.57	6.00	34.46	32.20
18138	0.51	0.25	1.56	2.00	0.75	.....	9.83	10.00	15.70	15.00
18156	.....	.....	2.16	2.00	0.45	.....	8.67	10.00	10.05	11.00
18090	1.06	1.00	4.90	4.00	0.92	.....	8.34	8.00	19.52	17.60

* Total Phosphoric Acid.
† "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler when not the College.)
17921	Piedmont - Mt. Airy Guano Co., Baltimore, Md.	Farmer's High Grade Bone and Potash.	Baltimore.....
17905	" " "	Fish Guano.....	Baltimore.....
17986	" " "	Garden and Truck Fertilizer.	Baltimore.....
18011	" " "	Gold Star Guano.....	Baltimore.....
9779	" " "	Guano for Tobacco.....	Baltimore.....
9780	" " "	High Grade South Carolina Bone.	Baltimore.....
18184	" " "	Insula Guano for all Crops	Freeland.....
18012	" " "	Levering's Ammoniated Bone.	Baltimore.....
17883	" " "	Levering's Excelsior.....	Jessups.....
18013	" " "	Levering's Harvest Queen	Baltimore.....
18185	" " "	Levering's I X L.....	Freeland.....
17949	" " "	Levering's Standard.....	Baltimore.....
18169	" " "	Peerless Phosphate	Colesville.....
18043	" " "	Plow Brand.....	Leslie.....
18091	" " "	Perfection.....	Greensboro.....
9781	" " "	Pure Raw Bone Mixture.	Baltimore.....
9785	" " "	Special Mixture.....	Zion.....
17907	" " "	Special Potash Mixture...	Baltimore.....
17908	" " "	Special Truck Fertilizer..	Baltimore.....
18139	" " "	Special Wheat and Grass Phosphate.	Mt. Airy.....
18140	" " "	Standard Dissolved Bone Phosphate.	Mt. Airy.....
18014	" " "	Success.....	Baltimore.....
17950	Pollock Fertilizer Co., Baltimore, Md.	Accomac Trucker.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17921	.....	.....	2.03	2.00	0.30	.....	10.86	10.00	$11.86	$11.00
17905	2.03	2.00	2.84	2.00	0.58	.....	8.23	8.00	21.07	19.60
17986	3.34	3.00	4.10	4.00	0.50	.....	8.01	8.00	27.27	25.60
18011	2.68	3.00	6.01	6.00	0.85	.....	6.82	6.00	25.25	25.20
9779	2.70	2.50	4.36	3.00	1.05	.....	7.96	8.00	25.13	22.60
9780	.....	.....	.....	.....	0.50	.....	13.65	14.00	12.39	12.60
18184	0.65	0.50	2.02	2.00	0.70	.....	7.64	7.00	14.07	12.40
18012	0.84	1.00	4.52	3.00	0.50	.....	9.35	9.00	19.30	17.80
17883	1.37	1.00	1.64	1.00	0.65	.....	8.88	8.00	18.04	14.60
18013	1.79	1.00	3.64	2.00	0.78	.....	9.18	8.00	22.13	15.60
18185	.....	.....	2.80	3.00	0.57	.....	10.02	10.00	11.93	12.00
17949	2.12	2.00	3.48	3.00	1.35	.....	8.07	8.00	22.18	20.60
18169	1.19	1.00	2.24	1.50	0.87	2.00	9.20	8.00	18.39	15.90
18043	2.59	2.00	2.42	2.00	1.65	.....	8.04	8.00	23.09	19.60
18091	1.69	2.00	4.52	5.00	0.53	.....	8.22	8.00	21.35	22.60
9781	1.18	1.25	2.52	2.00	1.60	.....	8.43	8.00	18.00	16.60
9785	2.01	2.00	8.28	8.00	1.05	.....	8.05	7.00	26.40	24.40
17907	.....	.....	4.04	5.00	0.50	.....	11.82	10.00	14.78	14.00
17908	6.52	7.00	5.34	5.00	1.12	.....	8.28	6.00	41.81	40.20
18139	2.18	2.00	1.94	2.00	0.90	1.00	8.78	8.50	21.56	20.60
18140	1.09	1.00	1.96	2.00	0.88	1.50	10.07	10.00	18.75	18.60
18014	0.43	0.25	6.98	5.00	0.13	.....	9.43	9.00	20.07	16.80
17950	5.20	5.00	5.34	5.00	1.80	1.00	7.59	7.00	35.97	33.80

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17909	Pollock Fertilizer Co., Baltimore, Md.	Ammoniated Bone Phosphate.	Baltimore
18015	" " "	Crop Invigorator.	Baltimore
18157	" " "	Dissolved Bone and Potash.	Baltimore
9782	" " "	Dissolved South Carolina Bone.	Baltimore
17951	" " "	Early Truck Guano	Baltimore
18016	" " "	Ground Animal Bone	Baltimore
17952	" " "	High Grade Cabbage and and Onion Grower.	Baltimore
18017	" " "	Owl Brand Guano	Baltimore
18068	" " "	Soft Ground Bone	Baltimore
18069	" " "	Soluble Bone Phosphate	Baltimore
18018	" " "	Special Potato and Tobacco Fertilizer.	Baltimore
18019	" " "	Superior Corn and Tomato Fertilizer.	Baltimore
18170	Ramsburg Fertilizer Co., Frederick, Md.	Alkaline Phosphate	Frederick
16394	" " "	Ammoniated Bone Phosphate.	Middletown
18171	" " "	Corn and Potato Fertilizer	Frederick
18172	" " "	Dissolved Animal Bone	Frederick
18173	" " "	Dissolved Bone Super-Phosphate.	Frederick
18142	" " "	Excelsior Plant Food	Mt. Airy
18174	" " "	Queen	Frederick
18020	Rasin - Monumental Co., Baltimore, Md.	Best Wheat and Grass Producer.	Baltimore
18158	" " "	Bone and Potash Fertilizer.	Baltimore
17987	" " "	Complete Truck Compound.	Baltimore
18071	" " "	Empire Guano	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17909	2.08	2.00	2.10	2.00	1.48	1.00	8.80	8.00	$21.57	$20 00
18015	1.28	1.00	4.40	4.00	0.87	1.00	8.02	8.00	19.49	18 00
18157	.....	.....	4.02	4.00	0.60	1.00	10.45	10.00	13.55	13.20
9782	.....	.....	.....	.....	1.41	1.00	14.04	14.00	12.92	12 80
17951	7.17	7.00	5.50	5.00	2.85	1.00	5.96	6.00	42.47	40.60
18016	4.73	4.00	.....	.....	21.09*	47.00†	.....	.....	26.84	40.20
17952	4.01	4.00	8.02	8.00	1.67	1.00	7.48	7.00	33.71	32.80
18017	0.75	0.50	1.50	1.50	1.03	1.00	7.27	7.00	13.63	12 30
18068	3.03	3.00	.....	.....	16.21*	14.00*	.....	.....	18.82	17.40
18069	.....	.....	2.16	2.00	0.45	1.00	10.01	10.00	11.26	11.20
18018	2.08	2.00	4.42	4.00	1.55	1.00	7.57	8.00	22.44	22.00
18019	1.28	1.00	2.16	2.00	1.28	1.00	8.12	8.00	17.53	16.00
18170	.....	.....	2.54	2.00	3.95	2.00	7.25	10.00	9.86	11.40
16394	1.02	1.00	2.01	2.00	3.70	2.00	8.46	10.00	17.72	18.80
18171	1.42	1.50	2.04	2.00	3.25	.....	8.45	9 00	19.16	18 80
18172	2.02	2.00	.....	.....	1.15	3.00	13.79	10.00	25.09	21.20
18173	.....	.....	.....	.....	3.15	2.00	12.14	14.00	11.56	13 00
18142	2.10	2.00	2.36	2.00	3.02	.....	9.14	9.00	22.94	20 80
18174	0.55	0.50	1.08	1.00	1.95	.....	11.74	8.00	18.15	12.60
18020	2.06	1.50	3.02	3.00	3.50	1.00	7.08	8.00	21.16	19.00
18158	.....	.....	2.24	2.00	2.75	1.00	8.90	10.00	10.80	11.20
17987	3.53	4.00	2.58	3.00	2.40	1.00	9.04	8.00	28.51	29.00
18071	2.53	2.00	2.10	2.00	3.25	1.00	7.91	8.00	23.01	20 00

* Total Phosphoric Acid. † "Bone Phosphate".

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
17988	Rasin - Monumental Co., Baltimore, Md.	Gold Standard	Baltimore
18021	" " "	High Grade Bone and Potash.	Baltimore
17953	" " "	Irish Potato Special	Baltimore
18022	" " "	I X L Fertilizer	Baltimore
18023	" " "	Monumental Potato Manure.	Baltimore
18072	" " "	National Crop Compound.	Baltimore
17865	" " "	Nitrate of Soda	Pocomoke City. (Wm. F. K. White.)
17954	" " "	Potato Manure	Baltimore
9783	" " "	Pure Raw Bone	Baltimore
18073	" " "	Royal Fish, Bone and Potash.	Baltimore
17910	" " "	Special Fish and Potash Mixture.	Baltimore
18143	" " "	Special Bone and Potash.	Mt. Airy
17911	" " "	Special Formula for Corn and Tomatoes.	Baltimore
17912	" " "	Standard Tomato Grower.	Baltimore
9766	" " "	Triple Bone and Potash	Graceham
17869	" " "	Vegetable Special	Goldsboro
18186	" " "	Universal Fertilizer Acid Phosphate.	Philopolis
18024	" " "	Wheat, Corn and Oats Mixture.	Baltimore
18074	" " "	Wheat and Potash Mixture	Baltimore
17956	" " "	Wm. Penn Crop Grower.	Baltimore
17989	" " "	XXX Fertilizer	Baltimore
18099	W. E. Robinson, Bel Air, Md.	Tomato and Wheat Fertilizer.	Fallston
9787	Scott Fertilizer Co., Elkton, Md.	Corn and Oats Grower	Poplars

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
17988	3.14	3.00	6.88	6.00	2.78	1.00	6.15	6.00	$27.93	$25.60
18021	.....	.....	4.62	5.00	1.33	1.00	12.08	12.00	15.76	16.00
17953	3.94	4.00	9.72	8.00	1.70	1.00	7.83	7.00	35.56	32.80
18022	1.40	1.00	3.16	3.00	2.68	1.00	8.94	8.00	20.56	17.00
18023	2.27	2.00	7.86	7.00	1.60	1.00	6.32	6.00	25.16	22.60
18072	1.54	1.00	3.86	4.00	2.67	1.00	7.85	8.00	20.51	18.00
17865	19.20	.....	.....	.....	.....	.....	.....	.....	.....	.....
17954	2.01	2.00	8.74	7.00	1.78	1.00	6.49	6.00	25.28	22.60
9783	4.57	4.50	.....	.....	21.36*	21.50*	.....	.....	26.53	26.40
18073	2.37	2.00	3.70	3.00	2.70	1.00	7.58	8.00	23.36	21.00
17910	2.70	2.00	2.62	3.00	3.48	1.00	6.10	6.00	22.13	18.60
18143	.....	.....	5.02	5.00	2.40	1.00	9.59	10.00	14.13	14.20
17911	.....	.....	3.50	3.00	1.40	1.00	7.89	6.00	10.88	8.60
17912	1.45	1.00	5.02	5.00	3.70	1.00	7.17	7.00	20.90	17.80
9766	.....	.....	6.16	6.00	0.85	1.00	13.03	13.00	18.06	17.90
17869	1.96	2.00	8.82	10.00	1.02	1.00	9.64	8.00	28.64	28.00
18186	.....	.....	.....	.....	1.90	1.00	14.03	14.00	13.01	12.80
18024	1.02	0.50	2.30	2.00	2.57	1.00	6.46	8.00	15.16	14.00
18074	.....	.....	5.68	5.00	1.95	1.00	7.73	8.00	13.03	12.40
17955	1.59	1.00	1.61	1.00	3.45	1.00	7.83	8.00	18.75	15.00
17989	2.59	2.00	3.66	5.00	2.23	1.00	8.47	8.00	25.07	23.00
18099	2.13	2.00	2.22	2.00	1.30	.....	8.52	8.00	21.48	19.60
9787	0.77	0.50	2.86	2.00	1.15	.....	8.61	8.00	16.73	13.60

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
18044	Scott Fertilizer Co., Elkton, Md.	Corn and Oats Grower...	Childs.....
18046	" " "	Potato Grower.....	Childs.....
18047	" " "	Potato and Truck Special	Childs .....
18048	" " "	Pure Ground Raw Bone.	Childs..... ....
18049	" " "	Soluble Bone and Potash.	Childs.....
18050	" " "	Standard Phosphate.....	North East.....
18051	" " "	Sure Growth Compound..	North East... ....
18052	" " "	Sure Growth Super-Phosphate.	Childs.....
18045	" " "	Tip Top and Potash.....	Childs.....
18100	Smith, Rouse & Webster, Bel Air, Md.	Potato aud Tomato Fertilizer.	Bel Air.....
18101	" " "	Special Formula.....	Bel Air.....
9759	Southern Fertilizer Co., York, Pa.	Farmer's Choice Brand..	Baltimore.....
18102	" " "	General Crop Grower.....	Sharon.....
9760	" " "	Ox Brand Bone and Potash Mixture.	Baltimore.....
18025	Wm. H. Street & Co., Fallston, Md.	Ammoniated Dissolved Bone.	Baltimore.....
18026	" " "	High Grade Bone Phosphate.	Baltimore.....
17866	" " "	High Grade Bone Phosphate.	Fork..... (J. W. B. Clayton.)
18027	H. S. Taveau & Co., Baltimore, Md.	Allerton Guano	Baltimore.....
9761	" " "	Bone Mixture.....	Baltimore.....
18075	" " "	Dissolved South Carolina Bone.	Baltimore.....
9797	" " "	Florida Phosphate	Baltimore.....
18028	" " "	Pride of Maryland.....	Baltimore.....
18029	" " "	Pride of Virginia.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18044	0.67	0.50	2.96	2.00	1.23	.....	8.41	8.00	$16.22	$13.60
18046	2.54	2.00	11.04	10.00	0.68	.....	7.23	6.00	30.15	25.20
18047	2.53	2.00	5.28	5.00	1.55	.....	8.03	7.00	25.66	21.40
18048	4.93	4.00	.....	.....	22.73*	22 00*	.....	.....	28.43	25.20
18049	.....	.....	6.06	5.00	0.48	.....	13.29	12.00	18.12	15.80
18050	1.62	1.00	3.62	4.00	0.70	.....	9.55	8.00	21.84	17.60
18051	4.59	4.00	7.96	7.00	2.05	.....	7.04	7.00	35.59	31.40
18052	2.25	2.00	4.46	3.00	3.63	2.00	7.42	8.00	23.81	21.40
18045	.....	.....	2.42	2.00	1.20	.....	11.03	11.00	12.59	11.90
18100	2.22	2.00	4.22	4.00	2.08	.....	7.71	8.00	23.18	21.60
18101	2.20	2.00	2.34	2.00	2.10	.....	7.75	8.00	21.28	19.60
7959	1.28	1.00	2.32	2.00	1.60	.....	8.76	9.00	18.59	16.80
18102	.82	0.50	2.06	2.00	1.22	.....	8.60	8.00	16.15	13.60
9760	.....	.....	2.14	2.00	1.15	.....	8.40	8.00	9.93	9.20
18025	1.72	1.50	2.14	2.00	2.00	1.50	9.28	9.00	20.96	19.40
18026	2.64	2.50	3.26	3.00	2.05	1.50	7.27	8.00	23.36	23.20
17866	2.80	2.50	3.62	3.00	1.70	1.50	7.50	8.00	24.50	23.20
18027	2.29	2.00	2.68	2.50	1.95	.....	8.68	9.00	23.04	21.30
9761	1.38	1.00	2.90	2.50	1.55	.....	9.50	10.00	20.44	18.50
18075	.....	.....	.....	.....	1.00	.....	14.54	14.00	13.29	12.60
9797	.....	.....	.....	.....	1.32	.....	14.22	14.00	13.06	12.60
18028	1.21	1.00	2.72	2.50	1.35	.....	9.43	10.00	19.42	18.50
18029	.....	.....	3.32	3.00	0.78	.....	12.08	12.00	14.35	13.80

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler, when not the College.)
18159	H. S. Taveau & Co., Baltimore, Md.	Pure Ground Bone Meal..	Baltimore. .....
9798	" " "	Special Compound.....	Baltimore. .....
17990	" " "	Wonder Potato and Tomato Manure.	Baltimore.....
9767	D. A. Thomas & Co., Hagerstown, Md.	Dissolved Bone	Hagerstown.....
9768	" " "	Excelsior Fertilizer.....	Hagerstown.....
9769	" " "	Golden Sheaf.....	Hagerstown.....
9770	" " "	Soluble Bone and Potash.	Hagerstown.....
17881	" " "	Special Mixture.....	Hagerstown..... (Miller Wingert.)
18120	I. P. Thomas & Sons Co., Philadelphia, Pa.	Potato Fertilizer.....	Annapolis.....
18121	" " "	Potato Manure.....	Annapolis. .....
18122	" " "	Sweet Potato Manure....	Annapolis.....
18123	" " "	Tip Top Raw Bone Super-Phosphate.	Annapolis.....
18112	W. B. Tilghman Co., Salisbury, Md.	Fish, Bone and Potash Mixture.	Federalsburg.....
18188	" " "	High Grade Early Truck Guano.	Westover .....
16393	" " "	Mixture "B".....	Preston .....
18189	" " "	Special Mixture.....	Salisbury.....
18114	" " "	Standard Fish Mixture...	Federalsburg.....
18190	" " "	Standard Tomato Mixture	Salisbury.....
18191	E. W. Truitt & Co., Salisbury, Md.	Fish Mixture XX.....	Salisbury.....
18160	Turner & Son. Betterton, Md.	XX Tomato, Potato and Truck Fertilizer.	Baltimore .....
18076	Tuscarora Fertilizer Co., Baltimore, Md.	Acid Phosphate.....	Baltimore.....
9762	" " "	Alkaline	Baltimore.....
17922	" " "	Big (4) Four.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18159	3.02	3.00	.....	.....	15.96*	38.00†	.....	.....	$18.64	$31.80
9798	.....	.....	2.72	2.00	0.85	.....	10.50	11.00	9.62	11.90
17990	2.66	2.00	6.90	5.00	1.60	.....	8.09	8.00	27.89	22.60
9767	2.41	2.25	4.84	4.00	1.17	.....	10.08	10.00	27.05	25.00
9768	2.01	2.00	4.54	4.00	1.55	.....	8.13	8.00	22.96	21.60
9769	1.09	1.00	1.36	1.00	1.35	.....	7.89	8.00	15.73	14.60
9770	.....	.....	2.01	2.00	0.55	.....	11.20	10.00	12.20	11.00
17881	2.08	2.00	5.16	5.00	0.72	.....	11.98	10.00	28.15	25.00
18120	2.12	2 00	5.90	6.00	0.73	.....	9.31	9.00	25.84	24.80
18121	2.61	3 00	5.90	6.00	0.88	.....	8.46	10.00	26.84	30.00
18122	2.22	2.00	9.76	10.00	1.20	.....	7.10	7.00	27.64	26.40
18123	3.29	3.00	4.30	4.00	0.72	.....	7.70	8.00	26.99	25.60
18112	1.08	1.00	2.48	2.00	0.38	.....	10.73	10.00	19.83	18.00
18188	4.81	5.00	4.38	5.00	1.50	.....	7.94	7.00	33.75	33.40
16393	3.81	4.00	4.60	3.50	1.25	.....	8.01	7.00	29.95	27.90
18189	0.46	0.33	2.70	2.00	0.65	.....	11.51	12.00	18.61	17.72
18114	2.03	2.00	2.94	2.00	1.03	.....	7.50	8.00	20.47	19.60
18190	2.02	2.00	4.48	4.00	0.87	.....	9.30	8.00	24.07	21.60
18191	2.66	2.50	2.12	2.00	1.15	2.00	8.05	8.00	22.88	22.40
18160	2.37	2.00	4.16	4.00	1.58	.....	7.17	7.00	22.87	20.40
18076	.....	.....	.....	.....	0.15	.....	13.49	14.00	12.17	12.60
9762	.....	.....	4.86	5.00	0.85	.....	10.01	10.00	14.04	14.00
17922	2.27	2 00	4.12	4.00	0.82	.....	7.66	7.00	22.73	20.40

* Total Phosphoric Acid. † "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
18092	Tuscarora Fertilizer Co., Baltimore, Md.	Bone and Potash	Henderson
18077	" " "	Fruit and Potato Fertilizer.	Baltimore.
9763	" " "	Special Crop Grower	Baltimore.
9788	" " "	Special Mixture	Blue Ball
17991	" " "	Special Mixture	Baltimore
18103	" " "	Standard Phosphate	Rocks
18093	" " "	Sure Growth	Henderson
17992	" " "	Trucker	Baltimore.
18089	" " "	Tuscarora	Jessups
18104	" " "	York State Special	Rocks
18192	J. E. Tygert Co., Philadelphia, Pa.	Golden Harvest Phosphate.	Snow Hill
9799	" " "	Pure Ground Bone	Baltimore.
18193	" " "	Soluble Bone and Potash.	Snow Hill
18175	J. Tyson & Sons, Frederick, Md.	Ammoniated Super-Phosphate.	Frederick
18176	" " "	Dissolved South Carolina Rock.	Frederick
18177	" " "	Special Mixture	Frederick
17956	Virginia-Carolina Chemical Co., Richmond, Va.	Corn and Buckwheat Special.	Baltimore
18161	" " "	Fish, Bone and Potash	Baltimore
18162	" " "	Standard Corn and Grain Grower.	Baltimore.
17957	" " "	Standard Crop Grower	Baltimore.
18163	" " "	Standard Tomato Grower	Baltimore.
18030	" " "	Trucker's Special	Baltimore
18144	" " "	Union Super-Phosphate	Melrose

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18092	.....	.....	2.10	2.00	0.85	.....	9.57	10.00	$10.88	$11.00
18077	2.03	2.00	11.16	10.00	1.30	.....	8.17	8.00	29.60	27.60
9763	1.02	1.00	2.20	2.00	1.00	.....	8.85	8.00	17.30	15.60
9788	1.19	1.00	7.08	7.00	1.80	.....	9.18	9.00	23.58	21.80
17991	2.29	2.00	5.18	5.00	1.48	.....	7.96	8.00	24.48	22.60
18103	2.18	2.00	2.38	2.00	0.60	.....	8.50	8.00	21.54	19.60
18093	0.56	0.50	3.88	3.00	0.52	.....	8.07	8.00	16.01	14.60
17992	5.41	5.00	7.84	7.00	0.10	.....	8.75	8.00	40.02	36.60
18089	2.02	2.00	2.30	2.00	2.00	.....	8.28	8.00	21.12	19.60
18104	1.01	1.00	4.18	4.00	1.02	.....	8.16	8.00	18.42	17.60
18192	0.77	0.50	2.30	2.00	1.32	1.00	7.85	8.00	15.33	14.00
9799	4.74	4.00	.....	.....	23.24*	22.00*	.....	.....	28.16	25.20
18193	.....	.....	2.58	2.00	0.65	1.00	10.11	10.00	11.81	11.20
18175	0.84	1.75	1.46	2.00	1.02	.....	7.13	10.00	13.79	21.00
18176	.....	.....	.....	.....	1.05	.....	14.13	14.00	12.93	12.60
18177	0.77	1.00	1.54	1.00	1.00	.....	7.37	8.00	13.86	14.60
17956	.....	.....	3.64	3.00	1.30	1.00	7.74	6.00	10.87	8.60
18161	2.37	2.00	3.42	3.00	3.35	1.00	7.73	8.00	23.52	21.00
18162	0.80	0.50	2.44	2.00	2.85	1.00	7.67	8.00	16.01	14.00
17957	2.34	2.00	2.04	2.00	3.30	1.00	8.07	8.00	22.40	20.00
18163	1.25	1.00	5.02	5.00	2.95	1.00	6.44	7.00	18.93	17.80
18030	5.03	5.00	5.28	5.00	2.58	.....	6.14	6.00	33.80	32.20
18144	.....	.....	4.04	3.00	1.85	1.00	7.33	6.00	11.01	8.60

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
18078	S. L. Webster & Sons, Cambridge, Md.	Ammoniated Bone Fertilizer No. 1.	Baltimore.....
18117	" " "	Ammoniated Bone Fertilizer No. 2.	Cambridge.....
18079	" " "	Fish Mixture	Baltimore.....
18080	" " "	Old Dorset Ammoniated Bone Fertilizer.	Baltimore.....
18145	Westminster Fertilizer Co., Westminster, Md.	Governor.....	Westminster.....
18146	" " "	Leader.....	Westminster.....
18147	" " "	Super A.....	Westminster.....
18105	H. W. Whistler, Fountain Green, Md.	Crop Grower.....	Van Bibber.....
18106	" " "	Pure Bone Meal.....	Aberdeen.....
18107	O. M. Whitaker, Reckord, Md.	Animal Bone Mixture....	Reckord.....
18194	F. M. Wilson & Co., Pocomoke City, Md.	Favorite Brand	Pocomoke City.....
18195	" " "	Peninsula Brand.....	Pocomoke City.....
17923	Robt. A. Wooldridge Co., Baltimore, Md.	Bone and Potash 6x3 No 1.	Baltimore.....
17924	" " "	Champion Giant Phosphate.	Baltimore.....
17925	" " "	Chieftain Bone Stock Phosphate.	Baltimore.....
18081	" " "	Farmer's Favorate Cereal Compound.	Baltimore.....
18031	" " "	Florida Acid Phosphate...	Baltimore.....
18082	" " "	German Potash Mizture..	Baltimore.....
17885	" " "	Golden Crown.....	Baltimore.....
17958	" " "	Ideal Grain and Grass Producer.	Baltimore.....
18032	" " "	Liberty Bell Potash Mixture.	Baltimore.....
18033	" " "	Old Sledge Phosphate	Baltimore.....
18178	" " "	Pure Raw Bone.....	Clarksville.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18078	2.63	2.50	4.18	2.50	4.70	.....	6.94	10.00	$24.91	$24.50
18117	2.06	2.00	2.62	2.00	2.98	.....	7.08	8.00	20.55	19.60
18079	2.05	1.50	5.84	2.00	1.45	.....	6.95	8.00	19.96	17.60
18080	0.99	0.50	5.06	4.00	1.53	3 00	7.41	6.00	18.52	14.40
18145	1.76	1.50	2.62	2.50	0.38	.....	9.68	9.00	21.43	19.30
18146	1.13	1.00	1.88	1.50	0.45	.....	8.48	8.00	16.76	15.10
18147	0.87	0.75	1.28	1.00	.35	.....	8.75	8.00	15.40	13.60
18105	1.54	1.50	2.42	2.00	2.28	.....	8.53	8.00	19.73	17.60
18106	2.80	2.00	.....	.....	25.50*	20.90*	.....	.....	23.70	18.54
18107	1.66	2.25	2.50	2 25	2.20	6.00	8.69	8.00	20.45	23 25
18194	3.43	3.00	7.38	6.00	3.07	.....	7.13	9.00	30.89	28.80
18195	1.54	1.25	2.42	1.25	1.92	.....	9.24	12.00	20.44	20.65
17923	.....	.....	3.08	3.00	0.52	1.00	7.16	6.00	9.62	8.60
17924	1.31	1.00	2.12	2.00	1.22	1.50	9.27	9.00	18.97	17.40
17925	2.88	2.00	3.04	2.00	1.68	1.50	8.20	8.00	25.07	20.20
18081	0.75	0.50	2.62	2.00	0.70	1.00	7.21	7.00	14.55	12 80
18031	.....	.....	.....	.....	0.93	1.00	13.81	14.00	12.62	12.80
18082	.....	.....	2.10	2.00	0.67	1.00	10.03	10.00	11.26	11.20
17885	5.97	7.00	5.10	5.00	2.10	1.00	6.22	6.00	37.28	40.60
17958	.....	.....	2.80	4.00	0.52	1.00	10.02	10.00	11.92	13.20
18032	.....	.....	3.42	3.00	0.73	1.00	11.54	12.00	13.96	14.00
18033	.....	.. ....	5.58	5.00	0.45	1.00	12.59	12.00	17.00	16 00
18178	4.28	4.00	.....	.....	25.39*	45.00†	.....	.....	28.07	39.00

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
18083	Robt. A. Wooldridge Co,, Baltimore, Md.	Pure Raw Bone	Baltimore
17993	" " "	Special Potato and Tobacco Fertilizer.	Baltimore
17926	" " "	Sweep Stakes Sure Shot Phosphate.	Baltimore
18034	" " "	Triumph Pure Bone Phosphate.	Baltimore
17927	Wooldridge Fertilizer Co., Baltimore, Md.	Clover Leaf Crop Grower.	Baltimore
17913	" " "	Cyclone	Baltimore
17928	" " "	Flesh and Fish Vegetator.	Baltimore
9764	" " "	Potato and Tomato Grower	Baltimore
17914	" " "	Searchlight Garden and Truck Phosphate.	Baltimore
18179	" " "	Tygert Bone Stock Phosphate.	Germantown
18180	" " "	Virginia Belle Potash Mixture.	Germantown
18164	" " "	Virginia Belle Potash Mixture.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
18083	4.90	4.00	.....	.....	22.86*	45.00†	.....	.....	$28.42	$39.00
17993	2.37	2.00	5.42	5.00	1.40	1.50	9.47	9.00	26.82	24.40
17926	3.02	3.00	7.48	8.00	1.57	1.00	7.85	7.00	29.61	28.80
18034	1.84	1.50	4.46	4.00	1.75	2.00	8.04	8.00	22.17	20.40
17927	0.73	0.50	2.38	2.00	0.97	1.50	7.84	8.00	15.10	14.20
17913	3.09	3.00	3.46	3.00	1.70	2.00	7.85	8.00	25.92	25.40
17928	3.41	3.00	7.34	7.00	2.12	1.50	6.17	7.00	29.23	28.00
9764	2.56	2.00	5.08	5.00	1.20	1.50	9.03	9.00	26.64	24.40
17914	4.04	4.50	7.54	7.00	0.40	2.00	9.10	8.00	34.78	35.40
18179	1.30	1.25	4.72	4.50	1.37	1.50	8.00	8.00	20.07	19.70
18180	.....	.....	3.20	3.00	0.55	1.00	11.61	12.00	13.76	14.00
18164	.....	.....	2.86	3.00	0.62	1.00	12.23	12.00	13.99	14.00

* Total Phosphoric Acid. †Bone Phosphate.

Fertilizer Law of Maryland.

Section 1. That the term "fertilizer," as used in this Act, shall be held to mean any commercial fertilizer, or any article, substance or mixture sold, offered or exposed for sale for manurial purposes within this State, of which the selling price shall be more than ten dollars per ton of two thousand pounds.

That the term "brand," as used in this Act, shall be held to mean the name under which the commercial fertilizer is sold, together with the statement of the percentage of valuable ingredients contained therein.

That the professor in charge of the Chemical Department of the Maryland Agricultural College shall be ex-officio State Chemist, or (that the term State Chemist, as used in this Act, shall mean the professor in charge of the Chemical Department of the Maryland Agricultural College).

Sec. 2. And be it enacted, That before any fertilizer is sold, offered or exposed for sale within the State, the following conditions must be complied with: (1) The importer, manufacturer, manipulator, dealer or agent shall take out a license for the sale of fertilizer, which license shall be rated upon the number of brands contemplated to be sold at the rate of fifteen dollars for each brand; said license to be prepared and furnished by the Comptroller of the Treasury, and to be issued at any time, to be good until the first day of February following; provided that when any such importer, manufacturer or manipulator shall have taken out a license as herein provided, it shall not be necessary for any other person, as his agent or representative, to take out a license to sell the fertilizers provided for by the party who had taken out such license. (2) Every bag, barrel or package of fertilizer, and every parcel or lot, if sold in bulk, must bear in legible print, or be accompanied by a clear and true statement, showing the net pounds of fertilizer in the package or lot, the name, brand or trade-mark under which the fertilizer is sold, the name and address of the importer, manufacturer or manipulator, the place of manufacture or manipulation, and a chemical analysis stating the percentum of the minimum, and only the minimum, contained therein of nitrogen or its equivalent in available ammonia, of potash soluble in distilled water, and of available phosphoric acid.

Sec. 3. And be it enacted, That any failure to comply with any or all of the conditions provided in Section two of this Act, shall be punishable by a fine of one hundred dollars ($100) for the first offense, and of two hundred dollars ($200) for every subsequent offense.

Sec. 4. And be it enacted, That any person, firm or company selling or offering for sale any fertilizer in this State, or intending so to do, and not licensed by the Comptroller, as provided by this Act, shall on or before the thirty-first day of July in each and every year, send his or their name or names, with the postoffice address, and the names of the kinds, brands and trade-marks, and of the manufacturer, importer or manipulator of each fertilizer sold or proposed to be sold, to the Maryland Agricultural College, and the same

shall be registered in suitable books kept for that purpose, and any failure to comply with the provisions of this section shall be punishable by a fine of twenty-five dollars ($25) for the first offense, and of fifty dollars ($50) for every subsequent offense.

Sec. 5. And be it enacted, That it shall be the duty of the Maryland Agricultural College to analyze, without cost or charge, all samples of fertilizer sent to it for the purpose of being analyzed by any person, or persons purchasing or procuring the same in this State for his or their use or uses; provided, such persons are not interested in the analysis desired other than a consumer, of which affidavit shall be made and shall accompany each sample or brand; and further, such samples are taken and sent as described by this Act and free of cost of transportation to said College, and it shall be the duty of the Maryland Agricultural College to procure samples, as far as practicable, in every year, of all the fertilizers sold and used in this State, for the purpose of analyzing the same, and any duly authorized agent or representative of the said College shall have the right to take samples, as provided by this Act, from any lot or parcel of fertilizer in transit or in possession or keeping of any manufacturer, manipulator, dealer or agent, and sold or offered for sale in this State, and it shall be the duty of the Maryland Agricultural College to send in the result of every sample of fertilizer to the persons from whom such sample was taken or received, and also to publish from time to time the results of the analysis made by the said College of the samples sent to or procured by it for such purpose, and it shall be the duty of the Maryland Agricultural College, when reporting or publishing the result of any analysis made, to state the commercial value in dollars and cents of the fertilizer so analyzed, per ton of two thousand pounds, such value to be based upon the analysis made by the College, and upon a standard of valuation to be ascertained, fixed and published by said College, annually, after conference with the proper officials of adjacent States.

Sec. 6. That all samples of fertilizer for analysis at the Maryland Agricultural College shall be taken from unbroken packages or bags that have not been damaged or injured in transit or by exposure, and when in the possession of the purchaser or purchasers within thirty (30) days after coming into their possession, it shall be lawful for any such purchaser or purchasers of any such manures or fertilizers, provided that he be not a manufacturer, manipulator or agent of either, to take from any such unbroken packages or bags, a sample, not exceeding two pounds, placing the same in bottle or bottles, jar or jars, which shall then be corked tightly and forwarded to the Maryland Agricultural College for analysis, that it shall not be lawful for the said Agricultural College, or its chemists, to previously demand of any such purchaser or purchasers so sending said sample or samples for analysis, to give any advices, information or statement to the said College or its chemists as to any analysis found on the original unbroken packages or bags from which said sample or samples were taken, or the name or names of any individual, representative, agent or corporation or firm from which said manures or fertilizers were purchased; and it shall be the duty of the Agricultural

College to have its proper and authorized chemist to at once make a full and complete analysis of the manures or fertilizers contained in such bottles, jar or jars, and within thirty (30) days thereafter return to such person or persons from whom the sample or samples were received a full and complete analysis of the said manures or fertilizers sent for analysis. And it shall be unlawful for any individual or any representative or agent of any corporation or firm, or any corporation or firm itself, to have, either directly or indirectly, communication with the Agricultural College or its chemist, agent or representative, or the sender of any sample with regard to the analysis of any manures or fertilizers sent to the Agricultural College by the purchaser or purchasers thereof for analysis under the provisions of this section, nor shall the Agricultural College nor its chemist nor its agent or agents, or the sender of any sample, furnish any information or communicate with any manufacturer of fertilizers about any such sample submitted for analysis until after a report of said analysis shall have been duly furnished to the applicant for such analysis under this section; provided, that all samples sent to the Maryland Agricultural College by any purchaser or purchasers, shall shall be drawn from at least five per cent. of the total number of bags purchased; these samples to be thoroughly mixed in a clean, dry place, and a suitable sample shall be taken from said mixture and placed in a suitable vessel or vessels, carefully closed, with an identifying label, and the same then taken or sent by safe carriage to the said College for analysis; every sample for analysis by the State Chemist, as provided for by this section, shall be fully described in forms to be furnished by said chemist free of charge, said description giving a full and complete statement of the time and place of sampling of all marks on the bags or packages thereof, and all of the facts relating to the same, said description and statement shall be made under affidavit before a justice of the peace or notary public, and the same shall be retained as confidential by said justice or notary until required by this Act to be sent to the State Chemist; provided, further, that the purchaser or purchasers sending such sample or samples of fertilizer shall withhold said description or descriptions of said sample or samples until he has received the report of the said State Chemist of the analysis of the same.

Any person or persons receiving an analysis from the State Chemist under this Act, shall immediately thereafter forward to him the statement required by this Act, to be made at the time of taking the sample or samples, and any person or persons violating the provisions of this section shall be punished by a fine of one hundred dollars; and any manufacturer, agent or representative who shall be convicted of making false and fraudulent representations as to the quality and constituent elements of any fertilizers by the printed analysis upon any such bag or package shall be fined one hundred ($100) dollars for the first offense, and two hundred ($200) dollars for every subsequent offense thereafter; and the report of the analysis of any such sample of fertilizer sent to the Agricultural College for examination under this Act shall be prima facie evidence as to the quality of the lot of fertilizer from which said sample was taken.

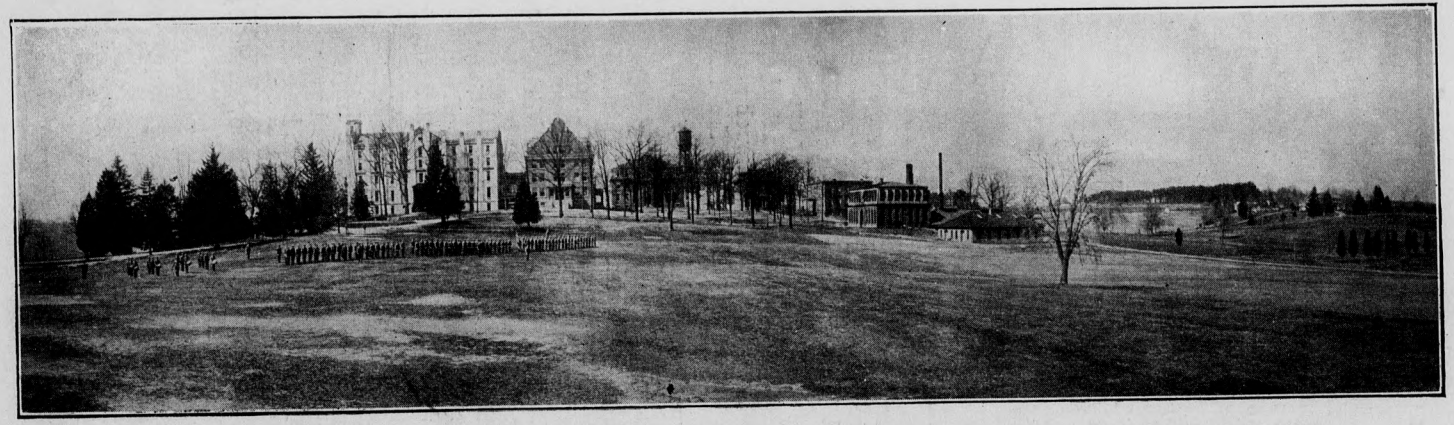
Sec. 7. And be it enacted, That the funds received by the Comptroller from the licenses issued under this Act shall be paid into the Treasury, and be set apart as a specific fund to pay the cost and expenses of conducting the analysis provided for in section five of this Act, and the Treasurer shall semi-annually pay over to the Maryland Agricultural College the money received from said licenses; provided, that the amount paid in any one year shall not be more than at the rate of fifteen dollars ($15) for each sample of fertilizer analyzed by the said College.

Sec. 8. And be it enacted, That any purchaser of fertilizer who shall be injured or defrauded by the contents of the bag, barrel or other packages, not conforming in quantity or quality to the marks, labels or statements on or accompanying the same, may recover from the seller or sellers thereof, in an action of debt, an amount equal to the purchase money of said fertilizer and the cost of suit; and in case the purchase is made of an agent of any person or persons residing out of the limits of the State of Maryland, or company or corporation whose principal place of business is out of the State, manufacturing, compounding, preparing and furnishing for sale any such commercial fertilizer, the purchaser thereof may, at his or her option, proceed by attachment, as now provided for by law in cases of non-resident and absconding debtors, against any property, rights or credit of any person, persons, company or corporation selling, manufacturing, preparing, compounding or furnishing said fertilizer when such property, rights or credits can be found within the limits of the State of Maryland.

Sec. 9. And be it enacted, That any manufacturer, dealer, agent or other person or persons who shall adulterate, add to or take anything from any fertilizer sold or offered for sale within this State, or who shall use the brand or trade-mark of any manufacturer or dealer other than his own, shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof in any Court having jurisdiction, be punished by a fine not exceeding two hundred dollars ($200), and imprisonment in jail not exceeding six months, or by fine and imprisonment at the discretion of the Court before whom he shall be tried.

Sec. 10. And be it enacted, That this Act shall not effect parties importing, manufacturing or manipulating fertilizer for their own use, if not sold or disposed of; and it shall not apply to substances and materials sold in bulk to manufacturers or manipulators of fertilizer, and nothing in this Act shall prevent the buyer and seller from making contracts in reference to the price to be paid dependent upon the composition or quality of the fertilizer contracted for, but no arrangement or agreement, verbal or written, made by or between any seller and buyer of fertilizer in this State, for the purpose of exonerating the seller or manufacturer from liability for any violation of any of the provisions of this Act, shall exempt any person from such liability.

Sec. 11. And be it enacted, That it shall be the duty of all State's Attorneys to prosecute all persons accused of violating this Act, or any of the provisions of this Act, or of the Act to which this is a supplement.



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